

# **CALIFORNIA WASTE MANAGEMENT BOARD**

## **AGENDA ITEM #2**

### **OCTOBER 10, 1986**

#### **ITEM:**

Consideration of Acceptance of the Kings County Plan Review Report

#### **KEY ISSUES:**

- o County's Plan Review letter submitted July 31, 1986.
- o County and Board staff agree to need for Plan Revision.
- o Adequate disposal capacity to cover the Short Term Planning Period.
- o Expansion of theemoore Naval Air Station Landfill (LNAS).
- o Site selection study for replacement of Hanford County Landfill.
- o Closure of Stratford Transfer Station.
- o Groundwater monitoring at Corcoran Landfill.
- o Old Houston Avenue Dump - organic chemical contamination confirmed in County's 1986 study.
- o Corcoran and Avenal prisons' impact on landfill capacity.
- o Cities interest in Joint Powers Agreement with County on solid waste planning.
- o Mandatory collection policy.

#### **BACKGROUND:**

The Kings County Solid Waste Management Plan (CoSWMP) was originally approved by the California Waste Management Board (CWMB) on March 25, 1977. An amendment to the Plan that added two tree service waste facilities in the County was approved by the CWMB on October 27, 1978. The first revision to the Plan was approved by the Board on July 21-22, 1983. Kings County has reviewed the Plan to determine its consistency with State Policy and to assess the need for a Plan Revision.

On July 31, 1986, the County submitted a Plan Review Report letter indicating the need for a Plan Revision (Attachment 2). This letter was submitted prior to the third anniversary of the Plan Revision as required by Section 17141 of Title 14, Chapter 2, CAC.

## Staff Analysis

The attached Staff Review and Comment (attachment 1) analyzes the adequacy of the Kings County Plan Review Report and provides the Board with an objective description of the current solid waste management program in Kings County. Staff's analysis entailed review of both the Plan and the Plan Review Report, meeting with solid waste officials and visiting the solid waste facilities in the County.

The County has accurately identified areas of the Plan that are in need of revision. Any additional areas that Board staff has identified for revision are discussed in Attachment 1, Part III.

## BOARD OPTIONS

### 1. Not Accept the Plan Review Report

This would be appropriate if the County had not complied with Board requirements for the preparation of the Plan Review Report.

### 2. Take no action

This would serve no useful purpose at this time. It would only delay the needed revision of the CoSWMP.

### 3. Accept the Plan Review Report and direct the County to revise its Plan.

This would be appropriate if the County has complied with Board requirements for preparing a Plan Review Report. The County has met all requirements for preparing the Plan Review Report. The County has also indicated its commitment to prepare a comprehensive Revision of its CoSWMP.

## RECOMMENDATION:

Staff agrees with the County's decision to revise the Plan and recommends that the Board select Option 3 and adopt Resolution #86-20 accepting the Kings County Plan Review Report and directing the County to revise its County Solid Waste Management Plan in the areas identified.

## ATTACHMENTS:

1. Staff Review and Comment.
2. Kings County Solid Waste Management Plan Review Report, dated July 31, 1986.
3. Resolution No. #86-70, Accepting Plan Review Report and Directing County to Revise the CoSWMP.

# **STAFF REVIEW AND COMMENT KINGS COUNTY SOLID WASTE MANAGEMENT PLAN REVIEW REPORT**

## **I. County Solid Waste Management System**

### **A. Current System**

#### **1. County Characteristics**

Kings County is located slightly south and west of the center of the San Joaquin Valley, covers 1,396 square miles of land and is bordered by the counties of Fresno to the north and west, Monterey to the west, San Luis Obispo to the southwest, Kern to the south and Tulare to the east.

The County's geography is composed of a valley floor consisting of alluvial plains formed from stream flows from the Sierra Nevada and Coast Ranges and old floodplain and lake bed deposits. Elevation ranges from 180 feet above sea level in the old Tulare Lake Bed (south central Kings County) to 3,500 feet in the Coast Range in the extreme southwest portion of the County. Approximately 65% of the County land area is dominated by saline and alkaline soils. Average annual rainfall is slightly less than nine inches, with most occurring from November thru April.

Total population of Kings County is 85,300 (Dept. of Finance population figures, May 1986). Over 50% reside in the four incorporated cities of Avenal, Corcoran, Hanford and Lemoore.

Agriculture is the most significant influence on the County's economy, specializing in cotton, barley and alfalfa production.

#### **2. Administrative Responsibilities**

The Kings County Board of Supervisors is ultimately responsible for solid waste planning and administration. The Board has delegated plan administration to the Regional Planning Agency.

The city councils are responsible for establishing city solid waste management policies, and enacting and enforcing solid waste regulations.

The County Health Department, Division of Environmental Health Services, is the Local Enforcement Agency for the county. They are responsible for permitting solid waste facilities and inspection and enforcement at these facilities in accordance with CWMB's State Minimum Standards.

### **3. System Financing**

The general fund, gate fees and cities proportional share (except for Avenal) of the total annual cost of waste disposal are the sources for funding the County's solid waste system. The County started to set gate fees to pay for both disposal operations and build a reserve fund for acquiring future disposal sites in 1975.

The County Local Enforcement Agency charges operator fees of \$220 per year for inspections. The County estimates that 35% of their cost is recovered at this rate.

The County will be investigating other means of financing solid waste management.

### **4. Waste Generation**

Approximately 74,211 tons of commercial, residential and industrial waste is generated in the County. A generation amount for agricultural wastes is unavailable since most of this waste is handled on site; that is, either disked back into the soil or burned, and does not enter the conventional disposal system.

### **5. Storage and Collection**

The County and each incorporated city have established ordinances which are generally adequate to assure compliance with State Minimum Standards for Storage and Collection.

Refuse collection in the incorporated cities is mandatory through ordinance. All the incorporated cities have their own collection service except for Corcoran which contracts out to a private operator. All unincorporated areas of the County are designated as non-mandatory collection areas, unless designated as a mandatory collection area from the Board of Supervisors. Refuse collection service in the unincorporated area is provided by either public or private agency under license with the County. Waste is self-hauled by some residents of the unincorporated areas. The County has a policy of encouraging mandatory refuse collection in the densely populated unincorporated areas, however, this policy is unpopular with many citizens who view it as an infringement on their personal freedom. Due to residents complaints, the Board of Supervisors recently overruled, with a 3 to 2 vote, a previous decision which designated the Hanford unincorporated fringe as a mandatory collection area.

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## 6. Transfer

There is only one operating transfer station in the County; it is County owned but is leased to Thrifty Best Inc. to process municipal wastes. The facility is located in Lemoore and permitted for 21 tons per day. The waste is transported to the company's private landfill in Fresno County.

The County's additional transfer station in Stratford was closed in January 1984 due to prohibitive operating costs.

## 7. Disposal

Disposal facilities in Kings County are provided by the County, the City of Avenal and the United States Navy.

The County owns the Corcoran and Hanford landfills with the County Public Works Department administering the operations of those landfills. The City Public Works Departments for Avenal and Hanford operate their own landfills. The Hanford City Landfill receives only inert wastes.

The sewage sludge in the County is applied to animal-feed farmland near the wastewater treatment plants at both Hanford and Lemoore cities. Agricultural wastes are either open burned or disked back into the soil. A very small portion of these wastes are landfilled. Septic tank pumpings have stopped going to landfills. Instead they are taken to the sewage treatment plants.

A summary table of their yearly tonnage and site life follow:

<u>Landfill Name</u>	<u>Tons/Yr</u>	<u>Closure Date</u>
Hanford Sanitary (County)	39,718	1994
Hanford City (inert wastes)	3,900	1995
Corcoran	8,417	2014
LNAS	14,680	1993
Harold James Tires	48,330 tires/yr	2000
Arnolds Private Disp.	420	1995
Chevron USA Disposal	6,200 barrels/yr	Indefinite
Avenal	3,480	2009

The County has sufficient disposal capacity through 1994.

## 8. Litter Management

Kings County Board of Supervisors allocates \$5,000 per year for their roadside litter program. Individuals from the County Probation Department pick up the roadside litter. The \$5,000 is used to hire one person with a pickup truck to collect the litterbags left by the probationers.

The four incorporated cities provide street cleaning operations.

## 9. Resource Recovery

The City of Hanford conducts a voluntary curbside program which they estimate reduces no more than 5% of the City's waste stream. The recycling programs are detailed below, tonnages were estimated by the respective recycling program operators.

<u>Program</u>	<u>Location</u>	<u>Material</u>	<u>Est. Tons/Yr</u>
Hanford City	Hanford	Aluminum cans	5
		Newspaper	336
		Glass	72
Coors Recycling	Lemoore	Aluminum	20
		Glass	1
K.A.R.E	Hanford	Newspaper	559
		High grade paper	10
		Cardboard	263
		Glass	160
		Metals	347
		Rags	50
		Washers/dryers	230
J & H Metal Co.	Hanford	Mattress/box spr.	12
		Aluminum cans	150
		Scrap iron	1800
		Nonferrous	60

Corcoran is designated for a new state prison facility 1 1/2 miles south of the City. Department of Corrections' personnel are considering the incorporation of materials recovery efforts in the prison operations. They have requested that the County consider the possibility of allowing the prison and the community to enter into a joint recycling effort. The County is receptive to the idea but would be concerned about the public's attitude toward inmates working in the community.

## B. FUTURE FACILITIES

Because the Hanford Sanitary Landfill is expected to close in 1994, the County completed a study to select the replacement site. Sixteen priority sites were chosen for consideration for the new landfill. These sites will be presented to the Board of Supervisor. The County will recommend to the Board of Supervisors that a citizens siting advisory committee be appointed to assist in the site selection.

The County was approached by the U.S. Navy for expansion of the Naval Air Station Landfill in Lemoore. A conditional use permit was approved in 1983 for the expansion. The Navy

personnel have stated to the County that they can wait for the Plan Revision to include the landfill expansion (add 49 acres to the existing 39) before they apply for the permit.

### **C. ENFORCEMENT PROGRAM**

In Kings County, the County Health Department, Division of Environmental Health Services, is the Local Enforcement Agency (LEA). They are responsible for enforcing all health and non-health related State Minimum Standards for the County. Inspections of landfills are conducted twelve times annually.

None of the landfills in the County currently receiving wastes are on the Resource Conservation and Recovery Act's (RCRA) Open Dump List. Nor are any of the landfills on the State's Non-complying Facilities List.

A 1986 study conducted on Hanford's Houston Avenue Dump, closed in the 1960's, have confirmed organic chemical contamination of the groundwater. This site is on the State's Superfund List. The County is working with the Regional Water Quality Control Board on the solution.

Ponded water spotted on the Corcoran Landfill last year warned of possible groundwater contamination although this contamination has not been confirmed as of yet. The County modified operations by filling the area concerned with three feet of extra soil for a barrier and decreasing overall excavation depth. As part of the new Subchapter 15 requirements, the County will be installing water monitoring wells; this will enable them to determine the extent of possible groundwater contamination, if any.

### **D. CURRENT ISSUES AND PROBLEMS**

The following issues pertaining to the waste management program are currently being considered:

#### **Collection**

- Means to stop dumping on city fringes. Mandatory collection policy is encouraged by Board of Supervisors but unpopular with the residents.

#### **Disposal**

- Hanford replacement site.
- Lemoore Naval Air Station landfill expansion.
- New prisons, at Avenal and Corcoran, impact on disposal capacity.

### **Enforcement**

- Corcoran County Landfill's potential groundwater contamination. County Public Works working with Regional Quality Control Board on this.
- Organic chemical contamination of groundwater at old Houston Avenue site.

### **Administrative**

- Pursue feasibility of a regional approach for solid waste disposal.
- Cities want to pursue a Joint Powers Agreement with County for solid waste planning. Board of Supervisors has approved the concept but no further work has been done

## **E. SYSTEM IMPROVEMENTS**

The following system improvements are planned for the County:

### **Disposal**

1. Gas and water monitoring wells at Corcoran and Hanford landfills.

## **II. REPORT SUMMARY**

The Kings County Plan Review Report has been submitted to the CWMB in compliance with Government Code section 56780.5(b) and Title 14, CAC, section 17141. In that Report, the County identified the following areas of the Plan that were in need of revision:

- Landfill Reclassifications (Subchapter 15)
- Subchapter 15 Groundwater Monitoring Requirements.
- Existing and Proposed Landfills
- Landfill Expansions
- Implementation Schedule to be Updated to Reflect New Activities, Approximate Dates for Implementation of Policies and Programs and Dates for Establishment, Expansion and Closure of any Solid Waste Facilities.
- Resource Recovery Alternatives That Will be Explored.
- Alternative Funding for Solid Waste Facilities Will be Explored.
- Secondary Materials Recovery in the County.



### **III. STAFF ANALYSIS**

Staff has reviewed the Report submitted by the County. The Report, for the most part, has accurately identified the areas of the plan that are need of revision. However, staff believes additional changes are also appropriate. While many of these additional changes may have been recognized by the County, they are not stated specifically in their Plan Review Report.

The additional changes are as follows:

#### **Disposal and Processing of Waste**

Consider impact on the solid waste system from the prisons in Avenal and Corcoran. Recycling done at these facilities will probably not be sufficient to significantly reduce impact on remaining capacity at the landfills. Expansions of existing landfills or siting of new landfills may be necessary.

#### **Enforcement Program**

Append to Plan.

#### **Household Hazardous Waste**

Review household hazardous waste management in the County and identify any household hazardous waste management programs in the Plan. This is in response to amendments to the Government Code, Section 66780.5, made by AB 1809 (Tanner).

#### **Storage and Collection of Solid Waste**

Update the Plan's collection services list to indicate current collectors and fees.

Include any updated solid waste ordinances for the cities and the County in the Plan.

#### **Economic Feasibility**

The Plan should show the economic feasibility of the preferred Plan programs.

Update the budgets for solid waste management for County and cities.

Revise the Plan's discussion of administrative financing to reflect enforcement fees assessed on landfill operations.

# Kings County Regional Planning Agency

CHARLES GARDNER  
EXECUTIVE SECRETARY

MAILING ADDRESS: KINGS COUNTY GOVERNMENT CENTER HANFORD, CA 93230  
OFFICES AT: ENGINEERING BUILDING, GOVERNMENT CENTER, HANFORD (209) 682-3211, EXT. 2670

July 31, 1986

State of California  
California Waste Management Board  
1020 9th Street, Suite 300  
Sacramento, CA. 95814

Attn. Ms. Teresa McGarry

Subject: Plan Review Report, Kings County  
Solid Waste Management Plan

Dear Board Members:

This letter and the enclosed final Plan Review Report serve as a follow-up to our earlier letter of July 8 and the draft report. Our draft report has been duly reviewed by the Technical Advisory Committee of Kings County Regional Planning Agency (Kings County COG). Minor revisions have been incorporated into this final report as a result of this review process.

This Plan Review Report has been prepared in accordance with Section 17141(b), Chapter 2, Title 14 of the California Administrative Code and addresses the eight items outlined in the said section. The CoSWMP of 1980 as updated in 1983 was reviewed and it was found that no basic changes in policy and management practice have occurred. However, there have been some significant changes in the County's solid waste management system data base, and these are detailed in the report. The implementation schedule is the area that probably needs an overhaul in order to meet legislative requirements and incorporate new objectives/programs.

We have appreciated your continuing patience and cooperation in this matter very much. If you have further questions, please call me at (209)582-3211, extension 2684.

Sincerely,

Kings County Regional Planning Agency  
Charles Gardner, Executive Secretary

*York S. Sun*

York S. Sun  
Project Coordinator

Encl.

KINGS COUNTY  
SOLID WASTE MANAGEMENT PLAN  
REVIEW REPORT  
1986

Prepared by:  
Kings County Regional Planning Agency

## 1. Adequacy of Data Base

As already pointed out by State staff, the 1980 SWMP was deficient in two areas. In response to the State's comment, the EMCON (a consulting firm) was hired by the County to prepare the "Municipal Solid Waste Disposal and Resource Recovery Feasibility Study" which includes 1) Waste Disposal Alternatives (sites and their costs), and 2) Resource Recovery (Recycling) Alternatives. The former is a direct response to the need for a replacement of the Hanford county landfill which is currently estimated to reach capacity in 1992-1994. Development of a new landfill site is in the preliminary stage at present. As to the latter, the present resource recovery activities in the County are on an individual jurisdiction basis and are not coordinated, and relevant information/data are fragmentary and incomplete. However, there seems to be a good potential for new resource recovery activities in the County. The quantities of recyclable materials discarded in the County as given in the EMCON Study are summarized below, together with projections for 1990 and 2000.

<u>Recyclable Materials</u>	<u>Quantities: Tons Per Year</u>		
	1980	1990	2000
Aluminium	684	982	1,197
Glass	4,036	5,791	7,062
Cardboard	6,498	9,325	11,372
Newspaper	5,814	8,344	10,175
Ferrous Metals:			
<u>Low Technology</u>			
Bi-metal cans	270	347	393
Steel cans	596	866	1,064
White goods*	1,368	1,963	2,394
<u>High Technology</u>			
Magnetically separated	3,570	5,124	6,248

\* White goods include refrigerators, stoves, washers, dryers and related equipment.

At present, only the City of Hanford has a voluntary curbside collection program. The 1982 EMCON Study projected a reduction of the City's waste stream by twenty percent (20%). The actual current figure, however, is estimated to be less than five percent (5%).

Including the above, changes and new requirements that should be updated or added to the County's solid waste management system data base are listed below:

1. Subchapter 15 Groundwater Monitoring Requirement at the Corcoran and Hanford Solid Waste Disposal Sites: A plan of action has been submitted to the Regional Water Quality Control Board (RWQCB).
2. Old Houston Avenue Site: Studies conducted by a geotechnical firm hired by the County and completed on May 30, 1986 confirmed the existence of phenol contamination.
3. Closure of Stratford and Lemoore transfer stations due to prohibitive operating cost became effective January 1, 1984, with the Lemoore station later leased to a private operator.
4. Proposed expansion of the existing LNAS landfill: A conditional-use permit was approved in 1983.
5. Reclassification of landfill (Subchapter 15, Title 23).
6. The Hanford county landfill was previously estimated to reach capacity in 1988. Study done by the County Public Works Department indicates that it has an estimated life of six to eight more years, or until 1992-1994.
7. Site selection for replacement of the Hanford county landfill: A priority list of eighteen sites has been adopted by the Solid Waste Technical Advisory Committee.
8. Development and selection of resource recovery alternatives.

## 2. Consistency With State Policies

The 1980 Kings CoSWMP as updated in 1983 remains consistent and in compliance with State policies on Solid Waste Management. The ordinances of the County and participating local jurisdictions that regulate the storage and collection of waste are all conducive to the attainment of the goals and objectives stated in the Plan. The County's Solid Waste Ordinance was amended in 1983 and again in 1985 to further enhance the accomplishment of such goals and objectives.

## 3. Economic Changes

Economic conditions in the County have not changed much since the 1980 Plan revision. There has been no significant alteration in the nature and the quantity of waste generation.

The payments of operational costs of the county landfills were determined in the "Agreement to Implement A County Solid Waste Disposal Program" (Resolution 72-36) signed between the County and the Cities except Avenal. The County establishes level of services to be provided (at the landfills), adopts the annual solid waste budget, and establishes rates to be charged to users. The cities of the County each pays a proportional share of the total annual cost of waste disposal. They reserve authority over service levels and rates, among other things, in their respective jurisdictions. The proportional financial share of each city (exclude Avenal) is based on the tonnage of waste delivered from each city, compared to the total amount of waste disposed of at the county landfills. The city/county

Solid Waste Agreement has been evaluated in 1983 with the result that the agreement is unchanged to maintain the status quo.

The County's solid waste management operations have been supported by user fee. All dumping fees are based on a per ton charge and on a pay-as-you-go policy. Such fees are reviewed periodically and the most recent increases became effective March 11, 1986, which raised the tonnage fees from \$10.80 to \$11.25. Refuse collection in the incorporated cities is mandatory through ordinance. Such service is usually provided by a public agency. All unincorporated areas of the county are designated as non-mandatory collection areas unless designated otherwise by resolution of the board of supervisors as a mandatory collection area. Refuse collection service in the unincorporated area is provided by either private or public agency under licence with the County. The County has a policy of encouraging mandatory refuse collection in the populated unincorporated areas, however, this policy is unpopular with many citizens who view it as an infringement on their personal freedom.

To sum up, there have been no significant economic changes in the County's solid waste operation.

#### 4. Implementation Schedule

Certain short term (1980-1985) activities/actions have been implemented or successfully accomplished, and some others have not. Those activities/actions that were not implemented or successfully accomplished are addressed in Section 8. Implementation of medium term (1985-1995) activities/actions is in progress. However, certain activities/actions are vague and not specific enough needed to be reviewed and/or clarified.

On the whole the implementation schedule needs an overhaul for two major reasons. First, AB3302 and 3433 which became effective January 1, 1983 require the implementation schedule include approximate dates for the timely implementation of policies and programs, and the dates for establishment, expansion, and closure of any solid waste facility identified in the plan. The existing CoSWMP has not included such dates in the implementation schedule. Second, activities/actions that were not implemented or successfully accomplished needed to be reviewed as to their appropriateness and/or feasibility, and new objectives/programs needed to be incorporated into the implementation schedule, particularly in the following two areas: a) Landfill siting steps the County will follow in pursuing the findings of the 1985 Kings County Sanitary Landfill Replacement Site Selection Study. This should include a time table for each phase of the process from selection of one site from two or three final options to site development. b) Resource recovery alternatives that the County will be pursuing as a result of the 1982 EMCON Feasibility Study. These should

be enumerated in the appropriate time segment of the implementation schedule with estimated dates for further studies, decisions, engineering and construction, if applicable.

If indeed it is found that a revision or an update is required, it will be conducted in the next fiscal year (1986-1987).

#### 5. Current and Future Administrative Responsibilities

Basic responsibilities for determining solid waste management policy rest on the County Board of Supervisors and the City Councils of the four incorporated cities. The supervisors have delegated primary responsibility for administering county waste management functions to the Public Works Department. Likewise, the councils of each city have delegated administrative and operational roles to their public works departments. The County Public Works Department oversees the refuse collection licenses (in the unincorporated areas) and the operation of the landfills. The public works departments of the cities are responsible for collection within their own areas. The Kings County Regional Planning Agency (KCRPA) has the responsibility for the CoSWMP administration. The County Health Department, Division of Environmental Health Services (EHS) is the local solid waste enforcement agency (LEA). These administrative designations will continue as the responsible agencies for solid waste management in Kings County.

#### 6. Changes in Funding Sources

The County started to set gate fees to pay for both the disposal operation and build a reserve fund for acquiring future disposal sites in 1975. User fees have since been the revenue sources to cover the operations at the landfill sites. Other expenditures are covered by the general fund. In light of the need to develop a new landfill replacement, other means of financing may be necessary. Financial arrangement between the County and the incorporated cities for waste disposal has been addressed in Section 3.

#### 7. Future Facility

The Hanford county landfill has an estimated life of six to eight more years, or until the year 1992-1994, and a new site for Class III (Class II-2 under previous regulations) landfill has to be developed to meet future disposal needs. The 1982 EMCON "Municipal Solid Waste Disposal and Resource Recovery Feasibility Study" suggests that the development of a new site in the eastern part of the County near Hanford represents the most economically attractive alternative. However, the recommendations were abandoned due to some inadequacies in the study. A new study, the Kings County Sanitary Landfill Replacement Site Selection Study, was commissioned by the Kings County Solid Waste Technical Advisory Committee, and was completed in 1985. A priority list of eighteen sites has been developed and adopted by the Committee.

#### 8. Elements of Plan not Implemented

Lack of funding and/or staff, infeasibility and/or other reason(s) account for the following activities/actions that were not implemented or successfully accomplished.

- a. Implement new resource recovery/reuse technologies.
- b. Explore potential for energy conversion from agriculture waste.
- c. Establish a Class III site for the City of Corcoran.
- d. Develop accurate waste materials data reporting at disposal sites.
- e. Survey communities in County on attitudes and interest in recycling.
- f. Set up an office paper recovery system in government buildings and other offices in the county.
- g. Monitoring gin trash incinerators at Boswell and Central Valley Coop. and their developments that may spur new resources recovery techniques.
- h. Study and publicize to agricultural sector techniques on composting being researched by Co. Ag. Ext.
- i. Implement and publicize resource recovery techniques found feasible in County.



# **CALIFORNIA WASTE MANAGEMENT BOARD**

## **Resolution # 86-70**

**October 10, 1986**

Resolution of Acceptance, of the Kings County Solid Waste Management Plan Review Report.

WHEREAS, the Board finds that it has approved the revised Kings County Solid Waste Management Plan on October 9-10, 1986 as meeting the requirements of the Nejedly-Z'berg-Dills Solid Waste Management and Resource Recovery Act of 1972; and

WHEREAS, the Board finds that the County of Kings has reviewed its County Solid Waste Management Plan and submitted a report to the Board pursuant to Government Code Section 66780.5(b); and

WHEREAS, the Board finds that the County of Kings has determined that to be consistent with State Policy, the County Solid Waste Management Plan is in need of revision; and

WHEREAS, the Board finds that its staff has prepared a Staff Review and Comment which analyzes the effectiveness of the approved Kings County Solid Waste Management Plan, in light of the Plan Review Report, in providing for current and future solid waste management needs in the County; and

WHEREAS, the Board finds that its staff has determined that revision to the Alameda County Solid Waste Management Plan is needed in the following areas:

- 1) Disposal and Processing of Waste (CAC, Section 17134)
- 2) Enforcement Program (CAC, Section 17138 and Government Code 66780.5)
- 3) Household Hazardous Waste (Government Code 66780.5 as amended by AB 1809).
- 4) Storage & Collection of Solid Waste (CAC, Section 17132 and 17133).
- 5) Economic Feasibility (CAC, Section 17137 and Government Code 66780.1).

- 6) Implementation Schedule (CAC, Section 17137 and Government Code 66714.9).
- 7) Resource Recovery (CAC, Section 17135).

WHEREAS, the Board finds that it has directed a copy of said Staff Review and Comment be sent to the Kings County Board of Supervisors for their information.

NOW, THEREFORE, BE IT RESOLVED that the California Waste Management Board accepts the Kings County Solid Waste Management Plan Review Report; and

BE IT FURTHER RESOLVED that the California Waste Management Board requires Kings County to revise the Kings County Solid Waste Management Plan in those areas indicated above to render the Plan into full compliance with State Policy; and

BE IT FURTHER RESOLVED that the California Waste Management Board requires Kings County to submit a timetable for revision, as required by Section 17141 of Title 14 of the California Administrative Code within the next 30 days.

#### CERTIFICATION

The undersigned Executive Officer of the California Waste Management Board does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Waste Management Board held on October 10, 1986.

Dated:

George T. Eowan  
Chief Executive Officer

# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item # 3 October 10, 1986

**Item:** Consideration of Approval of San Joaquin County  
Solid Waste Management Plan Revision

### Key Issues:

- Plan Revision delinquent since January 1985
- Five major landfills in the County; Two major transfer stations
- Two of the five major landfills will close in the next five years; replacement siting efforts are in progress for north and south County
- More distant Foothill Landfill has long term capacity; will provide adequate interim disposal for sites nearing capacity
- Continued transfer of unincorporated central county waste to Foothill Landfill proposed; Lovelace Transfer Station to be upgraded
- Collection service areas revised; Additional mandatory collection being considered in the unincorporated areas
- Additional review of waste-to-energy potential proposed
- Change to scales and weight based fees and database proposed
- Self sufficient enterprise fund proposed for solid waste system facilities and administrative programs
- No Sites on Non-Complying Facility List - Forward Inc. site removed in March 1986. Concerns with Forward Inc. Landfill affect only Hazardous Waste area.

### Background:

The original San Joaquin County Solid Waste Management Plan was

approved by the Board on December 14, 1979. The Board accepted the Plan Review Report on April 12, 1984 and directed the County to revise the Plan in the following eight required areas:

- . Identification of Solid Wastes
- . Storage and collection of Solid Waste
- . Disposal and processing of Wastes
- . Resource Recovery
- . Plan Administration
- . Economic Feasibility
- . Enforcement Program
- . Implementation Schedule

A draft Plan was submitted to the Board on April 4, 1986 and staff comments were provided to the County on that draft.

All six cities in San Joaquin County, representing the entire incorporated population, approved the Plan Revision as indicated in Attachment 3.

The Plan was also approved on July 19, 1986 by the San Joaquin County Planning Commission, who serve the as the regional planning agency for the County.

On July 29, 1986, the County Board of Supervisors approved the final Plan Revision at a properly noticed meeting of the Board of Supervisors. On July 31, 1986, this final Plan Revision was delivered to Board staff. If approved by the Board, this will remove another County from the list of those with delinquent Solid Waste Management Plans.

Copies of the Plan Revision have been provided to all members of the Board. The Plan Revision has also been circulated for review and comment to the State Department of Health Services, the State Water Resources Control Board, the Sacramento Regional Water Quality Control Board, the State Air Resources Board and San Joaquin Air Pollution Control District. No significant comments were received.

## **County Characteristics and Solid Waste System**

San Joaquin County is located in the center of the Central Valley. It is bordered on the west by the Coast Range and Alameda County and bordered on the east by the foothill counties of Calaveras and Amador. Much of the County is located at or near sea level, with areas on the Sacramento County delta near Stockton being below sea level.

The current County population is 423,154. The County has experienced a 3.6% population growth over the last three years.

Approximately 6 lbs./capita/day or a total of about 1,150 tons per day of waste are generated. Of this, approximately 37 tons per day are reclaimed.

Collection in four of the six cities and the unincorporated area is franchised and licenced to private collectors. Two cities, Manteca and Ripon, provide municipal residential collection service.

There are two major transfer stations in the County. One of these, located south of Stockton, is publicly operated while the other, north of Lodi, is privately operated by a collector. Four other transfer stations serve mainly as recycling operations.

Four landfills serve the County's residential waste disposal needs with one additional landfill accepting only commercial collector waste. Several smaller sites accept street sweepings. Other sites are owner operated for the purpose of their sole source disposal.

Two of the four major sites in the County are scheduled to close within the next five years of the short term planning period. The Harney Lane Landfill, east of Lodi, will close in 1991, the Corral Hollow Landfill, west of Tracy, will close in 1990. Efforts to acquire a nearby parcel for replacement capacity are also underway.

## **Revision Features:**

### **Identification of Solid Wastes**

A new survey of collectors, transfer stations and landfill operators was conducted to provide more accurate estimates of waste generation and disposal volumes and rates. The Plan Revision proposes maintaining this with annual surveys. Conversion of the measurement system for solid waste data to weight measure by installing scales at all transfer stations and landfills is also proposed

### **Storage and Collection of Solid Waste (Chapter 5)**

The Plan updates the service area boundaries for collection franchises and licenses. Service areas have been reduced from ten to six in the unincorporated area of the County.

The Plan includes recommendations for review of additional rural areas where mandatory collection should be implemented.

### **Disposal and Processing of Wastes (Chapter 8)**

The existing Plan proposes new landfills for the central and north areas of the County which were not implemented. Instead, a new location is being pursued for the north area landfill

replacement. In addition, the continued transfer of the unincorporated central area waste to the Foothill Landfill is anticipated. If new north and south area sites are not completed in a timely manner, interim transfer is proposed through the Lovelace Transfer to the Foothill Landfill.

Upgrading of the Lovelace Transfer Station and installing scales at this site is proposed in the Plan Revision to provide for this continued transfer program. The prior Plan called for the closure of this facility upon siting of a new Central area landfill.

Three additional small sites were added to the list of closed sites.

### **Resource Recovery (Chapter 7)**

The Plan reflects the addition of substantial buy back and drop off recycling facilities at the California Waste Removal Transfer Station in Lodi.

The Plan reassesses the potential for a central waste-to-energy plant in the Stockton area, as considered in a feasibility study in mid - 1983, prepared for the Stockton Scavenger Company. This project is still deemed economically infeasible due to the low efficiency of the type of mass burn technology which was proposed.

The Plan also considers a new preliminary feasibility study which was prepared in 1986 for a waste-to-energy project in the north County area. Based on the positive results of this study, further assessment of waste to energy options in the County is proposed for both the central and north areas of the County in the short term planning period.

### **Plan Administration (Chapter 9)**

Responsibilities of the Solid Waste Division and the County Solid Waste Administrator are included. These entities were created in 1984, after the last Plan Revision.

### **Economic Feasibility (Chapter 12)**

The Plan Revision includes information on the County's continuing efforts to reduce the dependence of the Solid Waste system on General Fund contributions.

Plan recommendations are for a self sufficient enterprise fund accounting system for solid waste. The fund revenues will be obtained through user (gate) fees. The Plan recognizes the need to borrow from the General Fund for capital improvements, land acquisition and facility development. However, the Plan recommends that such borrowing be treated "as a commercial loan", with a regular repayment schedule being established for the each

project. The Enterprise Fund will fund all County Solid Waste Program activities, County facilities operations and system administrative costs.

Facilities proposed by the Plan are found to be affordable to the current system. However, changes in rate structures to amortize these projects are anticipated. Overall, system costs are expected to be relatively low compared to the statewide situation. Estimated facility development and acquisition costs are included in the Plan Revision, as are their effects on disposal costs. Affects on the various cities and services areas are also projected.

Not included in the Plan Revision, but nevertheless a relevant update on this topic, is the fact that the current year's County budget contains no General Fund allocation dependence. This compares to the 1982-83 budget year dependence of the system for approximately \$655,000. Plans are being considered to repay General Fund expenditures for the past ten years of solid waste facilities operation over the long term. These expenditures are estimated as approximately \$5 million of system subsidies.

#### **Enforcement Program (Chapter 10)**

The Plan recommends that the cities delegate non-health standard enforcement activities to the County Health District. The Enforcement Program is updated and delineated in the County Solid Waste Management Plan as required by Government Code section 66780.5.

#### **Implementation Schedule (Chapter 11)**

The Plan Revision has been updated to delete projects completed and not implemented. New disposal alternatives decisions are shown with a time line for program duration and a decision points indicated.

Programs are shown with approximate dates for their implementation and a list of involved agencies and their responsibilities. In addition, separate, more detailed schedules of task completion dates are provided for the progressive steps of the two landfill siting processes. Provision of these more precise schedules is intended to assure that needed new capacity is provided in a timely manner. It is also assures that these short term programs are specific enough for implementation, as required by the Planning Guidelines. Processes of these programs are now underway for the north county (Harney Lane) and south county (Corral Hollow) service areas. As a contingency plan, to provide for the possibility that these sites are not completed in a timely manner, the Plan proposes an interim transfer of wastes from these areas through the Lovelace Transfer to the Foothill Landfill.

## **Staff Analysis**

The County has made a concerted effort in the Plan Revision to improve the quality of information provided and make the Plan a valuable reference tool for local decisionmakers. The Revision also updates the Plan's discussion of current solid waste issues facing the County. It also includes improved information on the status of the County's current and proposed programs and revises the schedule for their implementation to provide direction to the County's solid waste operations.

The proposed Revision substantially complies with the Board's directions in their November 1982 Plan Report action and with the requirements of the "Planning Guidelines for Revising County Solid Waste Management Plans" (Chapter 2, Title 14, CAC).

## **Status of Non-Complying Solid Waste Facilities**

There are currently no solid waste facilities in San Joaquin County listed on either the Open Dump Inventory or the State List of Non-Complying Facilities. Current public concerns about the Forward Inc. Landfill relate only to the hazardous waste portion of this site.

## **California Environmental Quality Act (CEQA):**

A Negative Declaration was prepared on the Plan Revision and circulated through the State Clearinghouse (SCH# 86042919) in compliance with the requirements of the California Environmental Quality Act.

The County has found that no significant environmental impacts will result directly from decisions made in County approval of the CoSWMP Revision or the changes currently being proposed. The County also relied on the Environmental Impact Report for the previous 1979 County Solid Waste Management Plan (SCH# 79012238) for the assessment of existing facilities and continuing programs. The County also found that it would be necessary to provide subsequent separate environmental review for site specific facilities activities proposed by the Plan Revision.

This Negative Declaration was adopted by the County Board of Supervisors on July 29, 1986. A Notice of Determination was filed with the State Clearinghouse on that same date in compliance with the State CEQA Guidelines.

Findings on the adequacy of the County's CEQA findings for Board concurrence with the proposed Negative Declaration are included in proposed Resolution #86-67.



## **Options for Board Action:**

### **1. Denial:**

This option would be appropriate if the Board found specific revisions which it had directed in the Plan Review Report had not been completed or if the County had not complied with the revision process as enumerated in the Board's "Guidelines for Solid Waste Management Plan Revision" (Title 14, Chapter 2, CAC).

This option would leave the County with an outdated Plan which is not representative of the current County situation or the proposed County programs. Denial would require County recirculation and resubmission of the Plan Revision.

### **2. Take No Action:**

This would serve no useful purpose. It would leave the County without a current Plan. It would not provide the County with direction as to whether their efforts in preparing the Plan Revision were acceptable.

### **3. Approval:**

This would be appropriate if the County's submitted Plan Revision substantially meets the requirements of the Government Code, the California Administrative Code, the State Policy for Solid Waste Management, and the Board's direction for the County's Plan Revision in its action on the Plan Report. The County has complied with these requirements.

## **Staff Recommendation:**

Staff recommends that the Board select Option 3 and adopt Resolution #86-67 approving the San Joaquin County Solid Waste Management Plan Revision.

## **Attachments:**

1. Letter of Submittal for CoSWMP Revision from Henry Hirata, Director of Public Works, San Joaquin County dated July 30, 1986.

2. Resolution of the San Joaquin County Board of Supervisors, R-86-753, Approving CoSWMP Revision on January 27, 1986.
3. Summary Table of Cities Approving the CoSWMP Revision and their populations.
4. Notice of Determination for Certified Negative Declaration
5. Resolution #86-67 of the California Waste Management Board, approving the CoSWMP Revision, dated October 8-9, 1986.

HENRY M. HIRATA  
DIRECTOR



ATTACHMENT 1

JUL 31 1986

EUGENE B. DELUCCHI  
DEPUTY DIRECTOR

MANUEL LOPEZ  
DEPUTY DIRECTOR

COUNTY OF SAN JOAQUIN  
DEPARTMENT OF PUBLIC WORKS  
P. O. BOX 1810 - 1810 E. HAZELTON AVENUE  
STOCKTON, CALIFORNIA 95201  
(209) 944-2281

July 30, 1986

Mr. George Eowan  
Chief Executive Officer  
California Solid Waste Management Board  
1029 9th Street, Suite 300  
Sacramento, California 95814

Subject: TRIENNIAL REVIEW OF THE SAN JOAQUIN COUNTY  
SOLID WASTE MANAGEMENT PLAN

Dear Mr. Eowan:

On July 29, 1986, following a public hearing, the Board of Supervisors of the County of San Joaquin approved and adopted the Triennial Review of the San Joaquin County Solid Waste Management Plan. Previously, the Triennial Review was approved by all the incorporated cities within the County and the San Joaquin County Planning Commission.

We are transmitting 20 copies of the text and copies of resolutions of approval.

We wish to take this opportunity to thank Mr. Eric Maher of your staff for all his assistance and cooperation. If you need any additional information, please contact Tom Horton at (209) 944-2275.

Thank you.

Very truly yours,

*Henry M. Hirata*  
Henry M. Hirata  
Director of Public Works

HMH:JP:nc

Attachment

BEFORE THE BOARD OF SUPERVISORS OF THE COUNTY OF SAN JOAQUIN  
STATE OF CALIFORNIA

## R E S O L U T I O N

R-86-753RESOLUTION PROVIDING FOR THE ADOPTION OF A NEGATIVE DECLARATION FOR THE  
TRIENNIAL REVIEW OF THE SAN JOAQUIN COUNTY SOLID WASTE MANAGEMENT PLAN

WHEREAS, the California Solid Waste Management and Resource Recovery Act of 1972 requires that each County prepare and submit a Solid Waste Management Master Plan and to review, and revise if necessary, the Plan on a periodic basis in order to be consistent with State policy; and

WHEREAS, in conformance with the Act, San Joaquin County prepared a Solid Waste Management Plan in 1979; and

WHEREAS, in conformance with the Triennial Review requirements of the Act, San Joaquin County has prepared an update of the 1979 Plan; and

WHEREAS, the California Environmental Quality Act (CEQA) requires that prior to approval of the Plan Update, the County must determine what, if any, significant effects the project may have on the environment; and

WHEREAS, an Initial Study, as required by CEQA, has been completed for the project and a Negative Declaration has been prepared, based on the determination that the mitigation measures provided will result in the project having no significant effects on the environment; and

WHEREAS, the public review period, as required by CEQA, has been completed, including the publication of a Notice of Intent to Adopt a Negative Declaration, and no objections were received.

NOW, THEREFORE, BE IT RESOLVED, that the Negative Declaration for the Triennial Review of San Joaquin County's Solid Waste Management Plan be, and hereby is, adopted.

PASSED AND ADOPTED this \_\_\_\_\_ day of JUL 29 1988, 19\_\_, by the following vote of the Board of Supervisors, to wit:

AYES: GEORGE L. RAFFER, Chairman

NCES: NONE

ABSENT: NONE

ATTEST: JORNETTA J. HAYES  
Clerk of the Board of Super-  
visors of the County of San  
Joaquin, State of California

GEORGE L. RAFFER  
DOUGLAS W. WILSON, Chairman VICE  
Board of Supervisors  
County of San Joaquin  
State of California

By Carolyn Jones (SEAL)  
Deputy Clerk

## Distribution:

Board Clerk	Original
County Administrator	1
County Council	1
Public Works	2 (Certified)

SJT-TK4

SOLID WASTE MANAGEMENT PLAN  
POPULATION COUNTY OF SAN JOAQUIN

	<u>Population</u>	<u>% of Incorporated Area</u>	<u>City Council Action</u>
Escalon	3,629	1.2%	Approved
Lodi	43,293	14.7%	Approved
Manteca	35,437	12.0%	Approved
Ripon	6,006	2.0%	Approved
Stockton	181,625	61.5%	Approved
Tracy	<u>25,436</u>	<u>8.6%</u>	Approved
Sub-total	295,426	100.0%	
Unincorporated	<u>127,728</u>		
Total	423,154		

Source: State Department of Finance  
Population Research Unit  
January 1, 1986

APPENDIX D  
NOTICE OF DETERMINATION

TO: X Secretary for Resources      FROM: (Public Agency) \_\_\_\_\_  
      1416 Ninth Street, Room 1311      San Joaquin County  
      Sacramento, California 95814      Department of Public Works

or  
X County Clerk      DATE: July 29, 1986  
      County of San Joaquin

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

San Joaquin County Solid Waste Management Plan  
 Project Title:

86042919      R.L. Palmquist      (209) 944-2281  
 State Clearinghouse Number      Contact Person      Telephone Number  
 (If submitted to Clearinghouse)

San Joaquin County  
 Project Location

Triennial Review of San Joaquin County's SOLID WASTE MANAGEMENT  
 Project Description

PLAN

This is to advise that the San Joaquin County Board of Supervisors  
 (Lead Agency or Responsible Agency)  
 has approved the above described project and has made the following determinations regarding the above described project:

1. The project    will, X will not, have a significant effect on the environment.
2.    An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
- X A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.

The EIR or Negative Declaration and record of project approval may be examined at:

\_\_\_\_\_

\_\_\_\_\_

3. Mitigation measures X were,    were not, made a condition of the approval of the project.
4. A statement of Overriding Considerations    was, X was not, adopted for this project.

Date Received for Filing \_\_\_\_\_

*Derry M. Thata*  
 Signature

Director of Public Works  
 Title

**CALIFORNIA WASTE MANAGEMENT BOARD**  
**Resolution # 86-67**  
**October 10, 1986**

Resolution of Approval of the San Joaquin County Solid Waste Management Plan Revision.

WHEREAS, the Nejedly-Z'Berg-Dills Solid Waste Management and Resource Recovery Act of 1972 (hereinafter referred to as the Act), requires each county, in cooperation with affected local jurisdictions, to prepare a comprehensive, coordinated solid waste management plan consistent with State Policy and Planning Guidelines; and

WHEREAS, the County of San Joaquin prepared an original Solid Waste Management Plan which was approved by the California Waste Management Board on December 14, 1979; and

WHEREAS, the Act requires that approved Solid Waste Management Plans be reviewed and revised, if appropriate, at least every three years; and

WHEREAS, the County of San Joaquin reviewed its Plan and the California Waste Management Board accepted the County's Plan Review Report, identifying a need for Plan Revision at its April 12, 1984 meeting; and

WHEREAS, the County of San Joaquin has prepared a revised Solid Waste Management Plan and on July 31, 1986 submitted said Plan to the California Waste Management Board; and

WHEREAS, resolutions of approval were passed by all of the six cities within San Joaquin County, representing 100% of the incorporated population, and the Plan was approved and adopted by the San Joaquin County Board of Supervisors on July 29, 1986; and

WHEREAS, the proposed Revision was circulated to other state agencies with known interest in aspects of waste management and no comments have been received which could be the basis for finding the Plan Revision inconsistent with state solid waste management policy; and

WHEREAS, the Board finds that a Negative Declaration on the Plan Revision (SCH# 86042919) was prepared by San Joaquin County Public Works Department and circulated through the State Clearinghouse in compliance with the California Environmental Quality Act (CEQA); and

WHEREAS, the San Joaquin County Board of Supervisors certified the Negative Declaration for the Plan Revision on July 29, 1986 and;

WHEREAS, a Notice of Determination for the certified Negative Declaration was filed with the State Clearinghouse, as required by Section 15096 of the CEQA Guidelines (Section 15000 et. seq. Calif. Admin. Code), on July 29, 1986; and

WHEREAS, the Board finds that San Joaquin County has prepared a Negative Declaration which appropriately addresses potential impacts of the Plan Revision and the Board finds that this document is adequate for use in its approval of the proposed Plan Revision; and

WHEREAS, the Board and the Board's staff have reviewed the Plan Revision and find that the Plan Revision substantially conforms to State Policy and the Planning Guidelines for Revision of County Solid Waste Management Plans;

NOW, THEREFORE, BE IT RESOLVED, that the California Waste Management Board has reviewed the revised Plan and hereby approves the first San Joaquin County Solid Waste Management Plan Revision.

#### CERTIFICATION

The undersigned Chief Executive Officer of the California Waste Management Board does hereby certify that the foregoing is a full, true and correct copy of the Resolution duly and regularly adopted at the meeting of the California Waste Management Board held on October 10, 1986.

Dated:

George T. Eowan  
Chief Executive Officer



# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item #4

October 10, 1986

### ITEM:

Status of Delinquent County Solid Waste Management Plan (CoSWMP) Revisions.

### KEY ISSUES:

- 6 CoSWMPs are technically "delinquent" compared to 31 in June 1985.
- 3 of the delinquent revisions have been submitted.
- All 3 delinquent revisions that have not been submitted are due to be received prior to this Board meeting.
- Mariposa CoSWMP was reconsidered at the last Board meeting.
- San Joaquin CoSWMP will be considered at this Board meeting.
- Marin CoSWMP will be considered at the November Board meeting.
- Matrix included for latest update on CoSWMP status.

### BACKGROUND:

Staff has prepared an update to the previous CoSWMP Revision status reports. This status report is divided into two sections, according to degree of Plan completion:

Section I is a listing of fifty one (51) counties with complete and current Plans. The date of the next Plan Review Report is also included.

Section II is a listing of three (3) delinquent counties which have circulated Plan Revisions (in final form) to cities and which have committed to submission of their final Plan Revisions prior to this Board meeting, but have not met that commitment. These Plans are overdue.

As has been customary practice, a summary matrix for Section II and the newly submitted CoSWMPs with the latest up-to-date information on the seven counties (as of 9/21/86) is included.

In addition, the following three (3) delinquent counties have submitted their Plan Revisions for consideration. San Joaquin will be acted upon at this meeting.

<u>County</u>	<u>Date Received</u>
1. Mariposa	December 6, 1985
2. San Joaquin	July 31, 1986
3. Marin	August 24, 1986

I. The following counties are current. The date of the next Plan Review Report is listed below.

1. Alameda**	Revision in Progress
2. Contra Costa**	Aug. 1985
3. San Diego**	Revision in Progress
4. Kings****	July 1986
5. Sierra •	Aug. 1986
6. San Francisco	Sept. 1986
7. Colusa	Oct. 1986
8. Kern	Nov. 1986
9. Glenn	Jan. 1987
10. Sacramento	Jan. 1987
11. Mendocino	Feb. 1987
12. Modoc	Feb. 1987
13. Solano	Feb. 1987
14. Humboldt	June 1987
15. Napa	June 1987
16. Riverside	July 1987
17. Plumas	Oct. 1987
18. Sutter-Yuba	Nov. 1987
19. Siskiyou	Dec. 1987
20. Del Norte	Dec. 1987
21. San Mateo	Dec. 1987
22. Orange	Feb. 1988
23. Madera	Feb. 1988
24. Alpine	Mar. 1988
25. Imperial	Apr. 1988
26. Amador	May 1988
27. Santa Cruz	June 1988
28. Nevada***	June 1988
29. Shasta***	June 1988
30. El Dorado***	June 1988
31. Ventura***	July 1988
32. Lake***	Aug. 1988
33. Santa Clara***	Aug. 1988
34. Inyo***	Aug. 1988
35. Mono***	Aug. 1988
36. San Benito***	Aug. 1988
37. Fresno***	Sept. 1988
38. Tuolumne***	Oct. 1988
39. Yolo***	Nov. 1988
40. Trinity***	Nov. 1988
41. Tehama***	Dec. 1988
42. Butte***	Dec. 1988
43. Placer***	Jan. 1989
44. Monterey***	Feb. 1989
45. Los Angeles***	Mar. 1989
46. Sonoma***	Apr. 1989
47. San Bernardino***	May 1989
48. Stanislaus***	June 1989
49. Lassen***	July 1989
50. Merced***	July 1989
51. Santa Barbara***	Sept 1989

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\* Board staff is reviewing the Plan Review Report.

\*\* Currently preparing the second Revision.

\*\*\* Plan Revisions approved since June, 1985.

\*\*\*\* Presented to Board at this meeting.

• Plan Review Report overdue.

## II. Plan Revisions in Progress

The following three counties are delinquent, but have completed their Plan Revisions, and sent the final versions to cities for approval, and have indicated that they will submit the documents by the date identified below:

<u>County</u>	<u>Date Revision Due</u>	<u>Commitment Date</u>
1. Calaveras	Mar. 1981	Oct. 1, 1986
2. San Luis Obispo	Feb. 1983	Oct. 1, 1986
3. Tulare	June 1985	Sept 1, 1986

### (II-1) Calaveras County Plan Scenario

9/24/76 - CWMB approved original Plan

9/10/79 - County submitted a Plan Review Report

5/30/80 - CWMB accepted the Plan Review Report and directed a Plan Revision in 5 areas

2/30/81 - Plan Revision due

7/01/84 - County submitted a "pre-plan" draft to the CWMB

2/07/85 - Board referred County to Attorney General's Office

3/21/85 - Letter from Calaveras Co. Planning Department responding to 3/12/85 Board letter

2/86 - Date Plan Revision expected per letter from Board of Supervisors 5/22/85

8/01/86 - Revised date of submission as per telephone conversation with planning liaison on 2/25/86

1/13/86 - Rereferred to Attorney General's Office

3/26/86 - Attorney General sent warning letter to County

10/01/86 - Revised submission date for Plan Revision per letter to the Attorney General on 4/24/86

9/01/86 - Indicated to staff that County Supervisors would consider on 9/16/86

(II-2) San Luis Obispo County Plan Scenario

- 9/23/77 - Original Plan was approved by CWMB
- 9/15/80 - County submitted a Plan Review Report
- 5/7/82 - Board accepted Plan Review Report and directed revision in 7 areas
- 2/7/83 - Plan Revision due
- 2/7/85 - Board referred County to Attorney General's Office
- 5/85 - County issued RFP for Plan Revision
- 5/20/85 - Letter from Board of Supervisors giving Plan Revision status
- 5/21/85 - County approved fee schedule to pay for Plan Revision
- 6/19/85 - Director of Environmental Health addressed Board on lateness of Plan Revision
- 11/1/86 - Date Plan Revision Expected per letter from Board of Supervisors dated 5/20/85 and letter from Deputy County Counsel dated 6/19/85
- 1/13/86 - Re-referred to Attorney General's Office
- 1/30/86 - Attorney General filed suit against the County
- 3/04/86 - County made offer of 10/1/86 as revision submittal date
- 3/21/86 - Board accepted County offer
- 3/27/86 - Received Preliminary Draft Plan Revision
- 9/08/86 - County indicated to staff that County Supervisors would consider on 9/16/86

(II-3) Tulare County Plan Scenario

- 7/23/76 - Original Plan approved by CWMB
- 9/20/84 - CWMB accepted Plan Report and directed Revision in six areas
- 2/28/85 - Staff received a "pre-plan", comprehensively outlining Revision topics and approaches
- 6/20/85 - Date Plan Revision due

- 9/16/85 - County is working on Draft Plan Revision
- 9/15/86 - Date Plan Revision Expected per telephone  
contact with Public Works Director on 1/10/86
- 1/13/86 - Referred to Attorney General's Office
- 3/07/86 - Attorney General sent warning letter to County
- 3/11/86 - County responded to warning letter indicating that  
the Revision would be submitted on 9/1/86
- 9/09/86 - County indicated to staff that County Supervisors  
would consider on 9/16/86

## SUMMARY MATRIX: DELINQUENT COUNTY PLAN STATUS

As of 9/21/86

County	Plan Due	Received Board Letter	Received AG Letter	Date Expected	Source of Commitment	Current Status of Plan Revision
Calaveras	March 1981	X	X	10/01/86	Letter to Attorney General's Office on 4/24/86 from the County Board of Supervisors.	City of Angels Camp has approved an Environmental Document completed. Board of Supervisors to consider on 9/16/86.
San Luis Obispo	Feb. 1983	X	X	10/01/86	Letter to Attorney General's Office on 3/4/86 from the County Board of Supervisors.	Cities have approved. Board of Supervisors to consider on 9/16/86.
Marin	March 1984	X	X	Has been submitted	N/A	Will be considered by the Board at November meeting.
San Joaquin	Jan. 1985	X	X	has been submitted	N/A	Will be considered by the Board at the October meeting.
Tulare	June 1985	X	X	09/01/86	Letter from Assistant Public Works Director to the Attorney General's Office on 3/11/86.	Cities have approved. Board of Supervisors to consider week of 9/16/86.
Mariposa	March 1981	X	X	has been submitted	N/A	County doing further work on facility siting. Revision will be reconsidered by the Board at the 9/22/86 meeting.

# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item #5 October 10, 1986

### Item:

Consideration of Five-Year Permit Review and Permit Revision for the Chicago Grade Landfill, San Luis Obispo County.

### Key Issues:

- o Daily tonnage has increased from 27 TPD in 1978 to 61 TPD due to population growth in service area.
- o Landfill property site leased by the county, which contracts for operation.
- o Remaining volume provides a site life to the year 2017.
- o Leachate monitoring requirements presently being analyzed by Central Coast Regional Water Quality Control Board for compliance with subchapter 15.

### Facility Facts:

Name:	Chicago Grade Landfill
Project:	Existing Class II-2 Landfill; No. 40-AA-008
Location:	Homestead Road 4 miles N.E. of Atascadero
Service Area:	Atascadero and Templeton Communities and surrounding suburban areas.
Owner/Operator:	Walter P. and Patricia I. Johnson own site, operate under contract to county
Maximum Volume:	1,032,000 cubic yards
Remaining Volume:	Approximately 300,000 cubic yards
Estimated Closure Date:	Year 2017
Current Tonnage:	61 tons per day

40 Acre  
43 Commercial  
18 Group 2 public



## Background:

The Chicago Grade Landfill began operation in 1970, and was issued a facilities permit on May 26, 1978. The site is located four miles northeasterly of the town of Atascadero and serves Templeton and the surrounding area. There is ample acreage on site for landfilling and to supply cover material. No buildings are within 1000 feet<sub>±</sub> of this site.

Operation is a cut and cover method, with the cut being represented by a trench, 50 feet to 175 feet wide and as much as 800 feet long. Depth varies from 30 feet to 40 feet. Trench walls supply the cover material. As one trench is being filled another is being formed. Dumping platforms are provided along the trench edges, with safety stops to prevent accidents to trucks and automobiles.

The original permit described the facility as receiving 7000 tons of waste per year. This works out to an average of 27 tons per day. Since that time, the Atascadero area has experienced a fair amount of population growth resulting in an increase in tonnage at the site to the current 61 tons per day. The site life is calculated to be around 30 years. *259 days/yr*

Natural geographic configurations route storm and drainage water around the site, lessening the need for main storm drains. The soils in the area contain sufficient clay to establish slow permeability foundations. Within the same area sufficient gravelly material exists to afford all-weather roadbeds for use during inclement weather. At the same time the material, on-site, compacts sufficiently well to utilize track "rolling" of cover material and achieve optimum compaction in three passes, in conjunction with maximum one foot lifts. Grading is performed to bring fills, benches and slopes to a uniform surface and drainage slope of 1%.

Litter control is performed daily on site, with the aid of an installed 200 foot wire fence along the northeasterly boundary.

Fire extinguishers on site and cover materials are used in case hot loads are brought in, with CFD available in case of emergencies.

Salvaging operations are performed by operator when incoming refuse is at an ebb. No scavenging by the public is permitted.

Gas or leachate monitoring has not been required to date. The Central Coast Regional Water Quality Control Board is in the process of making a definitive finding on the necessity for leachate monitoring.

Because a revised solid waste facilities permit is being proposed, the Board must either object to or concur with the permit as submitted by the Local Enforcement Agency (LEA). The circumstances of the permit revisions do not require a finding of conformance with the CoSWMP.

3. Concur with the Five Year Review and Permit Revision

This action would be appropriate if the applicant and LEA had met all the Board requirements for a five-year review and permit revision.

**Recommendation:**

Staff recommends Option 3 and recommends the Board adopt Solid Waste Facilities Permit Decision #86-71 concurring in the revised permit.

**Attachments:**

1. Proposed Facilities Permit #40-AA-008
2. Facilities Permit #40-AA-008 (dated 5/26/78)
3. Solid Waste Facilities Permit Decision #86-71

Pursuant to Government Code Section 66796.32(e), the Board has 40 days to concur or object to the issuance or revision of a solid waste facilities permit. Since the permit for this facility was received on September 2, 1986, the last day the Board could act is October 13, 1986. For this reason, the permit is schedule for this meeting.

## **Requirements for Concurrence with the Solid Waste Facilities Permit:**

1. The operator has submitted an application and updated Report of Disposal Site Information to the San Luis Obispo County Enforcement Agency.
2. The proposed solid waste facilities permit revision is consistent with the San Luis Obispo County CoSWMP.
3. The proposed solid waste facilities permit is consistent with the State Minimum Standards for Solid Waste Handling and Disposal.

After evaluation of a facility's five-year review the LEA is charged with revising the permit to reflect any changes which may have occurred and to ensure the permit reflects current conditions. The LEA has determined that the increase in tonnage from 27 TPD to 61 TPD does not constitute a significant change.

Staff have reviewed the engineer's report and revised permit submitted by the LEA as a result of the five-year review. Based on staff's review of these documents, and the results of a Presley inspection on June 10, 1986, the landfill is able to operate at the 61 TPD level in compliance with State Minimum Standards. The original permit did not limit the operation to any specific tonnage level, hence, the increase to 61 TPD does not conflict with any of the original permit's terms or conditions. For these reasons, staff agrees with the conclusions of the LEA regarding no significant change. Staff finds the revised permit to be appropriate and suitable.

## **Board Options:**

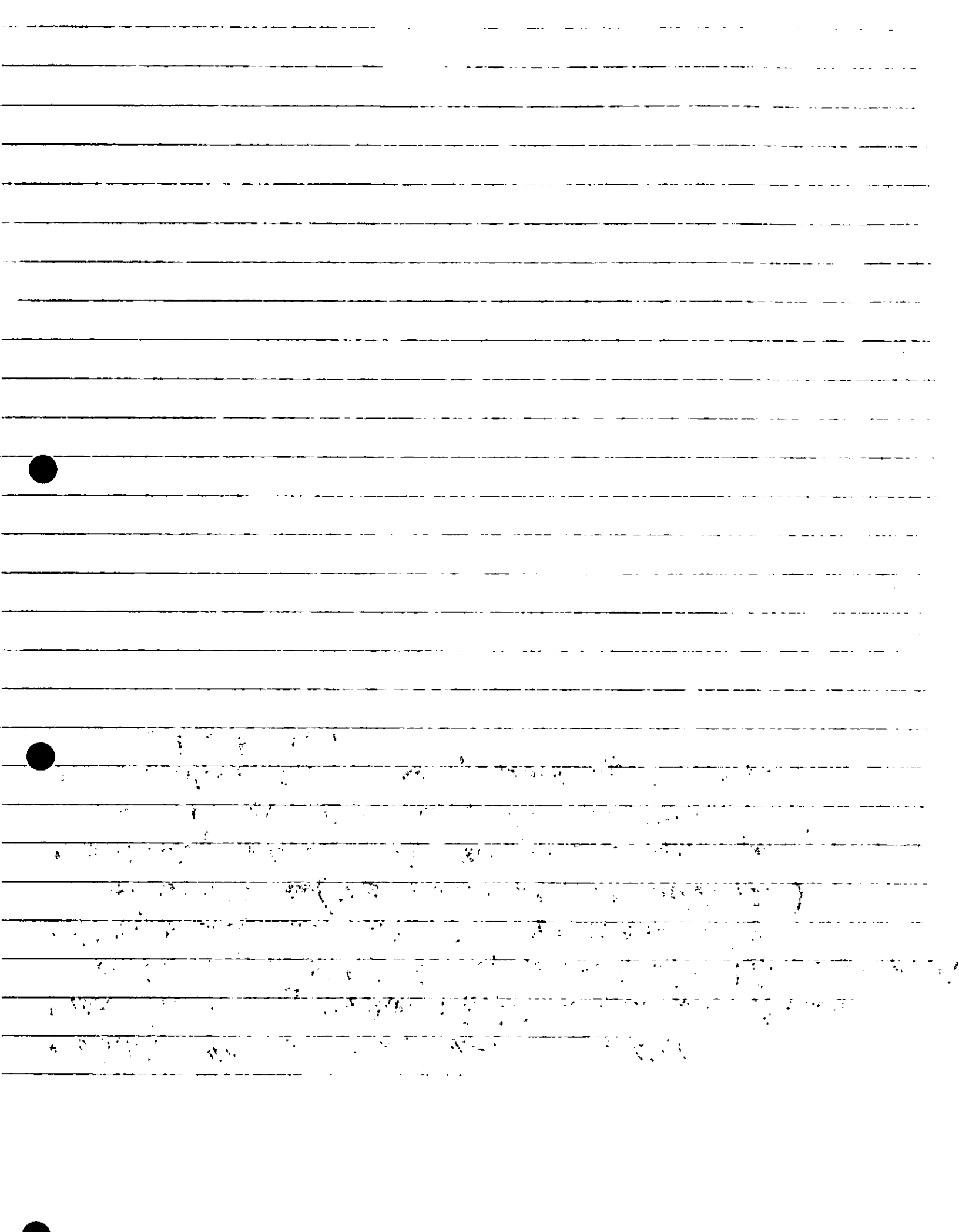
1. No Action

By taking no action the Board would relinquish its authority and no useful purpose would be served. If the Board does not act on a permit within 40 days of receipt, the permit is deemed to have been concurred in.

2. Object to Five-Year Review and Permit Revision

This action would be appropriate if the applicant and LEA had not met all the Board requirements for a five-year review.

- existing 40 acre Class II-2 landfill
- site owned by Walter & Patricia Johnson, leased to County, which, in turn, contracts with Johnsons for operation
- daily tonnage increased from 27 TPD in 1978 to 61 TPD (43 commercial, 18 residential)
- remaining volume of 800,000 cu yds giving a 30 yr. site life to year 2017
- Engr. Rpt. ✓ for 5 yr review prepared by SCS Engrs and updated RDSI



**OPERATING PERMIT FOR FACILITIES  
RECEIVING SOLID WASTE**

	<b>TYPE OF FACILITY</b> Class II - 2 Landfill*	<b>FACILITY/PERMIT NUMBER</b> 40-AA-008
<b>NAME AND STREET ADDRESS OF FACILITY</b> Chicago Grade Landfill Homestead Road Route 1, Box 440 Templeton, California 93465	<b>NAME AND MAILING ADDRESS OF OPERATOR</b> Walter and Patricia Johnson Route 1, Box 68 Templeton, California 93465	
<b>PERMITTING ENFORCEMENT AGENCY</b> San Luis Obispo County Health Department	<b>CITY/COUNTY</b> San Luis Obispo	

# PERMIT

This permit is granted solely to the operator named above, and is not transferrable.

Upon a change of operator, this permit is subject to revocation.


Upon a significant change in design or operation from that described by the Plan of Operation or the Report of Station or Disposal Site Information, this permit is subject to revocation, suspension, or modification.

This permit does not authorize the operation of any facility contrary to the State Minimum Standards for Solid Waste Handling and Disposal.

This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other government agencies.

The attached permit findings, conditions, prohibitions, and requirements are by this reference incorporated herein and made a part of this permit.

\* Class II-2 is now reclassified as Class III.

<b>APPROVED:</b>  <b>APPROVING OFFICER</b> JOHN SCHOLTES, R.S. Environmental Health Officer III <b>NAME/TITLE</b>	<b>AGENCY ADDRESS</b> San Luis Obispo County Health Department Division of Environmental Health Post Office Box 1489 San Luis Obispo, California 93406	
<b>SEAL</b>	<b>AGENCY USE/COMMENTS</b>	
	<b>PERMIT RECEIVED BY CWMB</b> SEP 02 1986	<b>CWMB CONCURRENCE DATE</b>
	<b>PERMIT REVIEW DUE DATE</b>	<b>PERMIT ISSUED DATE</b> 44

This permit is consistent with the latest version of the San Luis Obispo County Solid Waste Management Plan.

The local fire protection district has determined that the landfill is in compliance with Public Resources Code, Section 4373 and 4374 (clearance required from the periphery of exposed flammable solid waste).

#### Conditions

##### Requirements

Cover Frequency - Cover shall be applied on a 24 hour basis. Any changes in the frequency of daily cover shall be approved by the Local Enforcement Agency in advance of the requested change. Concurrence for the requested change may be also required from the California Waste Management Board.

This site must comply with all waste discharge requirements adopted by the Central Coast Regional Water Quality Control Board and the State Minimum Standards for Solid Waste Handling and Disposal.

The owner or operator shall obtain all other required permits, licenses, clearances, or approvals and shall comply with all applicable laws, regulations, or other requirements of other approval, regulatory or enforcement agencies at the Federal, State or local levels.

The permittee agrees to appear and defend all actions against the County arising out of the exercise of the permit, and to indemnify and to save the County, its officers, and employees and agents harmless of and from all claims, demands, actions, or causes of action of every kind and description resulting directly or indirectly, arising out of, or in any way connected with, the exercise of the permit.

Additional information concerning the design and operation of this facility must be furnished upon the request of the Health Officer of the California Waste Management Board.

#### Prohibitions

The following actions are prohibited at the facility:

Disposal of hazardous wastes and liquid wastes.

Scavenging.

Open burning.

#### Specifications

No significant change in design or operation from that described in Items #1 and #2 of the finding section is allowed. Any significant change which may be proposed for the facility shall require submission of a revised Report of Information and new application for a solid waste facility permit to the local enforcement agency and the Board for review.

Facility Location

Section 1, Township 28 south, Range 12 east, MDB & M, San Luis Obispo County (Homestead Road-approximately 4 miles northeast of Atascadero, California).

Findings

1. This facility is an existing Class II-2 sanitary landfill utilizing trench and fill and area methods of operation. The facility is approximately 40 acres with a remaining site life estimated to end the year 2017 (32 years). This site currently receives an average of 43 tons of commercial and 18 tons of public Group 2 waste per day. In 1985 commercial refuse trucks number 2,814 while assorted types of public vehicles number 37,408. This site is operated generally from 8:30 a.m. to 3:00 p.m., seven days per week. Current salvaging is limited to metals and some repairable or usable household and building materials. The types of waste received at this site include:

- a. Residential and commercial solid waste.
- b. Tires.
- c. Construction and demolition waste.

2. Design and operation of this facility are as specified by the SCS Engineering Report dated January 1976 and the Report of Disposal Site Information and Operation Plan dated August 25, 1985 (including all related maps and other documents). There will be no significant changes in design or operation in the next five (5) years.

The following document also conditions operation of this facility:

- a. California Regional Water Quality Control Board, Central Coast Region: Waste Discharge Requirements, Order No. 78-04.
- b. Conditional Use Permit No. U700220.1 dated April 27, 1970.

This facility's design and operation are currently in substantial compliance with the State Minimum Standards for Solid Waste Handling and Disposal as determined by LEA inspection of July 18, 1986.

- 3. Land within 1,000 feet of this site is zoned as General Agriculture and Light Agriculture.
- 4. This facility is consistent with and listed in the latest version of the San Luis Obispo County General Plan.



2. This permit is subject to review by the Health Officer and the California Waste Management Board and may be suspended, revoked, or modified at anytime for sufficient cause.
3. The permittee agrees that the Health Officer, the California Waste Management Board or their authorized representative have the right of inspection at any reasonable time.

#### Provisions

1. This permit requires review five years from the date of issuance unless a significant change occurs. Any significant change requires modification of the permit reflecting this change.

#### Self-Monitoring Program

The following items shall be monitored by the operator of this facility of his/her agent and records shall be kept and made available to the enforcement agency upon request:

1. The quantity and type of waste received at the site per day and per month.
2. Area of site utilized.
3. Quantity and type of wastes salvaged per month.
4. The number of vehicles utilizing the site per day and per month.
5. Records of special occurrences and excavations in natural terrain.
6. Records of any well monitoring test results.
7. Records of any landfill gas monitoring results.

SOLID WASTE FACILITIES PERMIT

SSWMB, 6-2-77, (REV. 10/77)

ATTACHMENT #2

PAGE1

OF4

ENFORCEMENT AGENCY	COUNTY	SOLID WASTE FACILITY PERMIT NO.
San Luis Obispo County Health Department	San Luis Obispo	40-AA-008
FACILITY NAME	OPERATOR	DATE
Chicago Grade Landfill	(Designated in Compliance with CAC Section 18208(a))	PROPOSED April 22, 1978
FACILITY LOCATION		SSWMB APPROVAL May 12, 1978
Homestead Road, Sect. 1, T28 S, R12E, MDB & M		ENFORCEMENT AGENCY APPROVAL May 26, 1978

**FINDINGS**

This facility is an existing 40 acre class II-2 Sanitary Landfill. It is a canyon type fill operation. The facility is located approximately 4 miles northeast of Atascadero, north of Highway 41 with the entrance off of Homestead Road. It is located in Section 1 of Tract 28 South, Range 12 East, MDB & M. The site is within the El Pomar Agricultural Preserve. The site receives approximately 7,000 tons of refuse per year. It is estimated that the site has a capacity of approximately 1.16 million cubic yards with an estimated remaining life of 41 years. The site serves an area with a population of approximately 17,500 people. The hours of operation are Wednesday through Sunday, 8:30 a.m. to 5:00 p.m. from April 1st to October 31st and 8:30 a.m. to 3:00 p.m. November 1st through March 31st. Operations started in 1970. Types of wastes received at the site include

- a. Residential and commercial solid waste.
- b. Tires.
- c. Construction and demolition wastes.
- d. Agricultural wastes.

The site is eligible to receive septic tank pumpings, dewatered sewage sludge, and non-hazardous liquids and slurries, if properly handled. Hazardous wastes are not accepted. Additional description of this site can be found in the report of disposal site information.

Operations are conducted as specified by the report of disposal site information dated August 9, 1977, and the "Design Report, Atascadero-Chicago Grade Sanitary Landfill" dated January 1976, which are hereby made part of the permit. Significant changes proposed during the next 5 years are

This permit is granted solely to the operator named above, and is not transferable. Upon a change of operator, this permit is subject to revocation. Upon a significant change in design or operation from that described in this permit or in attachments thereto for the existing design and operation of a facility operating immediately prior to August 15, 1977, or from the approved intended design and operation of a facility which was not operating prior to August 15, 1977, or which herein is granted a permit modification, this permit is subject to revocation, suspension, modification or other appropriate action.

This permit does not authorize the operation of any facility contrary to the State Minimum Standards for Solid Waste Handling and Disposal. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other government agencies.

ENFORCEMENT AGENCY	TYPED NAME	DATE
San Luis Obispo County Health Department	Bertram B. Townsend, R.S.	April 23, 1978
BY (SIGNATURE)		
Bert Townsend		
TITLE		
Environmental Health Sanitarian III		

outlined in the Design Report. The boundaries of the site are as described in the design report.

3. Land within 1,000 feet of this site is zoned general agricultural and unclassified.
4. The following documents condition the design and operation of this facility, and are hereby made a part of this permit.
  - a. Waste Discharge Requirements for Chicago Grade Landfill, Solid Waste Disposal Site, San Luis Obispo County, Order No. 78-04, adopted January 13, 1978.
  - b. The lease between the County of San Luis Obispo and Walter P. and Patricia I. Johnson dated July 27, 1970, Resolution No. 70-439, as amended September 21, 1976.
  - c. The agreement between the County of San Luis Obispo and the Atascadero Garbage Disposal District dated August 3, 1970, Resolution No. 70-450.
  - d. The agreement between the County of San Luis Obispo and Walter P. and Patricia I. Johnson dated August 25, 1975, Resolution No. 75-526, for operation of the disposal site.
  - e. Conditional Use Permit No. U700220:1, dated April 27, 1970, Resolution 70-243.
  - f. The Design Report sited in 2 above.
5. This facilities operations are currently in substantial compliance with the State Minimum Standards for Solid Waste Handling and Disposal as determined by the latest inspection on January 10, 1978, with the exception of violations of Sections 17682 (some area of the site are not well covered) and 17684 (some areas of the site require intermediate cover) and Sections 17676 (some waste is unloaded away from the working face), 17711 (more litter cleanup and prevention needed) pertaining to litter. A condition of this permit will establish an appropriate schedule for compliance of these sections.
6. The Chicago Grade Landfill and this permit are consistent with the San Luis Obispo County, County-Wide Solid Waste Management Plan, January 1977.
7. This permit is consistent with the State Minimum Standards for Solid Waste Handling and Disposal.

CONDITIONSRequirements:

1. This site must comply with all waste discharge requirements adopted by the Central Coastal Regional Water Quality Control Board, and the State Minimum Standards for Solid Waste Handling and Disposal.
2. The owner or operator shall obtain all other required permits, licenses, clearances, or approvals and shall comply with all applicable laws, regulations, or other requirements of other approval, regulatory or enforcement agencies at the Federal, State or local levels. Such other requirements shall specifically include, but shall not be limited to, the documents listed in Finding No. 4 above, and the County Ordinance Code, County of San Luis Obispo. Specifically the applicant shall comply with County Ordinance Code Sections:  
  
8.12.150, Bond and Insurance  
8.12.170, Servicing all requests required  
8.12.280, Rates  
8.12.390, Disposal areas  
8.12.430, Abatement
3. The permittee agrees to appear and defend all actions against the County arising out of the exercise of the permit, and to indemnify and to save the County, its officers, and employees and agents harmless of and from all claims, demands, actions, or causes of action of every kind and description resulting directly or indirectly, arising out of, or in any way connected with, the exercise of the permit.
4. Additional information concerning the design and operation of this facility must be furnished upon the request of the Health Officer or the State Solid Waste Management Board.

Prohibitions:

The following actions are prohibited at the facility:

1. Disposal of hazardous wastes.
2. Scavenging
3. Open burning

Specifications:

1. No significant change in design or operation from that described in Items #1, #2, #4 of the findings section is allowed except those changes which are required under the conditions portion of this permit.

2. This permit is subject to review by the Health Officer and the State Solid Waste Management Board and may be suspended, revoked, or modified at anytime for sufficient cause.
3. The permittee agrees that the Health Officer, the State Solid Waste Management Board or their authorized representatives have the right of inspection at any reasonable time.
4. The permittee shall comply with any franchise and franchise fee system to be established by the Board of Supervisors during the life of this permit.

Provisions:

1. Covering and litter control shall be completed, as required by the Minimum Standards for Solid Waste Handling and Disposal, by 1 June 1978, or other reasonable schedules as approved by the Health Officer.
2. Subsequent to the issuance of this permit, items of non-compliance shall be corrected within a reasonable time, as approved by the Health Officer.
3. The permittee shall prepare and submit to the Health Officer a plan for handling infectious and special wastes.
4. This permit shall expire five (5) years from date of issuance. The permittee shall apply for review and renewal 120 days prior to expiration.

Self-Monitoring Program:

The following items shall be monitored by the operator of this facility or his/her agent and records shall be kept and made available to the enforcement agency upon request.

1. The quantity and type of waste received at the site per day and per month.
2. Area of site utilized.
3. Quantity and type of wastes salvaged per month.
4. The number of vehicles utilizing the site per day and per month.
5. Records of special occurrences and excavations in natural terrain.
6. Gas generation.
7. Leachate production.

**CALIFORNIA WASTE MANAGEMENT BOARD**  
**SOLID WASTE FACILITIES PERMIT DECISION #86-71**

**October 10, 1986**

WHEREAS, the San Luis Obispo County Department of Public Health, Division of Environmental Health, has submitted to the Board a Solid Waste Facilities Permit consistent with Five Year Review requirements; and

WHEREAS, Board staff has reviewed the permit document and finds it in order; and

WHEREAS, the basic change reflect a more efficient operating methodology in cutting trenches for refuse placement and trench material for cover; and

WHEREAS, this newly employed method of placing and covering solid waste results in an extended landfill life; and

WHEREAS, the Board staff has found no physical change in the landfill site or change in operation of the Chicago Grade Landfill that constitutes a significant change.

NOW, THEREFORE, BE IT RESOLVED that the California Waste Management Board finds the Chicago Grade Landfill site to be in conformance with Chapter 3, of Title 14, CAC, Minimum Standards for Solid Waste Handling and Disposal; and

BE IT FURTHER RESOLVED that the California Waste Management Board concurs with the reason for the permit submittal, as proposed by the Local Enforcement Agency, and with the changes appearing on modified waste facilities permit No. 40-AA-008.

**CERTIFICATION**

The undersigned Chief Executive Officer of the California Waste Management Board does certify that the foregoing is a full, true and correct copy of a resolution duly and regularly adopted at a meeting of the California Waste Management Board held October 10, 1986.

Dated:

George T. Eowan  
Chief Executive Officer

# CALIFORNIA WASTE MANAGEMENT BOARD

## AGENDA ITEM #6

OCTOBER 10, 1986

### Item:

Consideration of Priorities for Consulting and Professional Services Contracts for FY 1986-87.

### Key Issues:

- o Concept proposals previously presented at August 28, 1986, Board meeting
- o 9 proposals: 5 approved for RFPs, 2 for concept expansion, and 1 held up
- o RFPs for 3 proposals being considered at this Board meeting
- o Possible problem with amount of funding available may necessitate re-evaluation of priorities already set

### Background:

The concept proposals for consulting and professional services contracts for FY 1986-87 were first presented briefly at the June 12-13, 1986, Board meeting and more extensively at the August 28, 1986, meeting. As of now, the Board's budget still includes \$516,000 for interagency and external consulting and professional services contracts. However, since this amount may be reduced by the time of the Board meeting, the Board may need to re-evaluate its priorities for funding these contracts.

Board staff had proposed nine concepts for consulting services and professional services contracts for FY 1986-87. A summary of the contracts and proposed amounts is shown on Attachment A together with a notation concerning the Board's action on each proposal at the August 28 meeting. Certain ongoing contracts for support services (e.g., General Services accounting, Environmental Affairs Agency, Air Resources Board printing, etc.) reduce the discretionary amount for contracts to no more than \$426,000. Attachment B describes the contract concepts in more detail.

### Recommendation:

If the amount of funding available for contracts is reduced by the time of this Board meeting, the Board is asked to establish priorities for expenditure of available consulting and professional services contract funds for FY 1986-87.

**SUMMARY OF PROPOSED CONCEPTS  
FOR CONSULTING AND PROFESSIONAL SERVICES CONTRACTS  
FOR FY 1986-87**

	8-28-86 Board Action	Amount
1. Northern California Media Consultant	APPROVED	\$ 45,000
2. Southern California Media Consultant	APPROVED	35,000
3. Media Production*	APPROVED	50,000
4. Recycling Evaluation Study**	MORE DETAIL REQUIRED	45,000
5. Closed Landfills: Guidelines for Local Officials*	APPROVED	50,000
6. LEA Training*	APPROVED	48,000
7. Used Tire Study***	RE-EVALUATION REQUIRED	40,000
8. Landfill Gas: Study of Gas Migration in Landfills	MORE DETAIL REQUIRED	50,000
9. 800 Recycling Number Operation****	AWAIT LATER EVALUATION	25,000
10. Contingency		<u>39,000</u>
<b>Subtotal for 1986-87 Contracts</b>		<b>\$426,000</b>
<b>Balance of Contracts for Recurring Support Services</b>		<b><u>90,000</u></b>
<b>Total Budget for Contracts 1986-87</b>		<b>\$516,000</b>

\* RFP/IFB at this Board meeting.

\*\* Agenda Item at this Board meeting.

\*\*\* The Budget Act requires us to fund a used tire study (if necessary) from existing contract funds.

\*\*\*\* Determination for continuation of 800 toll-free contract contingent upon evaluation (early in 1987) of progress of current contract.



## Attachment B

### PROPOSED CONCEPTS

#### 1. Northern California Media Consultant (\$45,000)

This proposed contract would continue efforts to promote the Board's programs and actions throughout Northern California media markets with the assistance of a public relations firm. In cooperation with the Board's Office of Legislation and Public Affairs and the Southern California public relations contractor, the contractor shall be responsible for creative development and production supervision of media services (radio and television public service announcements, slide shows and a CWMB documentary), press program assistance (preparing and distributing news advisories and press releases, organizing and managing news conferences and media events), organizing quarterly public information symposiums, and developing and managing a Northern California speakers bureau.

The Northern California consultant would also provide a variety of print media services including: writing and preparing camera-ready art for the Board's quarterly newsletter; designing and preparing camera-ready art for the Board's annual reports; and providing miscellaneous editorial services.

#### 2. Southern California Media Consultant (\$35,000)

This proposed contract would continue efforts to promote the Board's programs and actions throughout Southern California media markets with the assistance of a public relations firm. In cooperation with the Board's Office of Legislation and Public Affairs and the Northern California public relations contractor, the contractor shall be responsible for creative development and production supervision of media services (radio and television public service announcements, slide shows and a CWMB documentary), press program assistance (preparing and distributing news advisories and press releases, organizing and managing news conferences and media events), organizing quarterly public information symposiums, and developing and managing a Southern California speakers bureau.

3. Media Production \* (\$50,000)

These contract funds will be used for production, duplication and distribution of audio, video and slide show products to support the Board's public awareness efforts, including: two radio and two television anti-litter public service announcements; three 10-12 minute slide shows for the speakers bureau (possible topics are: 1) advanced disposal technologies; 2) landfill design and operation; and 3) solid waste facility planning and siting); a documentary, suitable for commercial and public service broadcasting, on California's waste management problem and the roles and efforts of the CWMB and local agencies in solving this problem.

4. Recycling Evaluation Study \*\* (\$45,000)

There is a need for more current and reliable information concerning current statewide levels of recycling, the effectiveness of established recycling programs, the costs and benefits of different types of recycling programs and the effective application of different types of recycling technologies in certain types of communities. There is some disagreement on how much California is currently recycling and diverting from the wastestream and an uncertainty as to the current and potential effectiveness of various types of recycling programs in diverting waste from landfills. Staff is proposing to retain a contractor to study California recycling programs to determine the current level of recycling and identify the effectiveness of existing programs and the potential for communities to either increase or initiate specific types of recycling programs.

The study would include case studies of selected programs of varying types and would focus on the overall evaluation of program cost, effectiveness as a waste diversion program and the level of community participation. It would also include an assessment of the levels of recycling statewide. This would be assessed on a county-by-county basis. This information will provide us with figures we can use to determine where more recycling needs to be fostered and the types of programs that are appropriate for certain areas. It will also provide valuable information that can be used in the county planning process.

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\* RFP/IFB at this meeting.

\*\* More detail at this meeting.

5. Closed Landfills - Guidelines for Local Officials\* (\$50,000)

Currently, the only regulations addressing the closure of solid waste landfills have been those issued by the State Water Resources Control Board (SWRCB) as Subchapter 15 regulations. In addition to water quality issues, there are other issues, such as liability, gas control, and aesthetics, that are also important considerations in closing landfills. The proposed contract would provide the Board with recommendations for regulations and standards to cover areas of concern not covered by SWRCB regulations.

6. LEA Training\* (\$48,000)

During the past two years the Board has provided for training workshops for LEAs through contracts. Seminars conducted during March of 1986 provided an overview of the Enforcement Program. Seminars to be conducted in October and November of 1986 will provide information to LEAs on the engineering aspects of landfill operations. Staff proposes to continue this series of training seminars with contract funds contained in the current Fiscal Year budget.

The subject matter proposed for training workshops targeted for the spring and summer of 1987 is landfill gas monitoring and control. The objective of these seminars will be to give LEAs the knowledge and skills to effectively review landfill gas monitoring proposals, and to effectively evaluate the effectiveness of landfill gas control systems.

7. Used Tire Study (\$40,000)

Although Board staff has a general idea of the negative environmental and other impacts associated with current disposal practices for scrap tires, these impacts need to be further defined in order to have the necessary information to make a decision whether or not legislative or administrative remedies are warranted. The information to be developed would include quantifying the disposition of the estimated 23 million scrap car and truck tires generated each year in California (amount landfilled, disposed of in legal stockpiles, disposed of in illegal stockpiles, littered, and the amount utilized for beneficial purposes), and identifying and quantifying, to the extent practical, the adverse environmental effects of each of the disposal practices. These adverse impacts would include, but not be limited to (1) the negative effects of tires on landfill operations, (2) the cost to local government of picking up

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\* RFP at this meeting.

tires disposed of illegally on public and private properties, and (3) the environmental effects of utilizing shredded or whole tires as a fuel.

8. Landfill Gas - Study of Gas Migration in Landfills (\$50,000)

The CWMB recently contracted with the University of California, Davis, to complete the first phase of a two phase study on landfill gas. The first phase will result in computer models to predict the generation and migration of gas. The first phase contract was in the amount of \$50,000. This proposal is to partially fund the second phase of the effort which would develop methods for detecting, tracking and controlling potentially harmful trace gasses generated and emitted by landfills. The total study is a 30 month, \$135,000 effort. This proposal is for another \$50,000. This final \$35,000 would be allocated from FY 1987-88.

9. 800 Recycling Number Operation (\$25,000)

We now have a contract with RecyCal to operate the toll-free recycling center referral line. This contract is to be reviewed for renewal on an annual basis. The total cost of the referral line for the next fiscal year is estimated to be \$25,000. The line is designed to provide referral service for general recycling centers and oil collection centers on a 24 hour per day seven day per week instead of the eight hour per day service that is currently provided by the Board.

Transfer of the 800 line to the contractor has been delayed in the current fiscal year until the contractor can demonstrate that the information can be managed in a manner compatible with the Board's computer system. An evaluation of the ability of the contractor to complete the current contract will be made before the contract will be continued.

10. Contingency (\$38,000)

Funds are to be kept available as needed for special projects.

# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item #7

October 10, 1986

### Item:

Consideration of Issuance of Request for Proposals/Invitation for Bids for Media Production

### Key Issues:

- o On August 28, 1986 the Board authorized up to \$50,000 in contract funds for media production services.
- o The proposed RFP/IFB seeks the services of a full-service production firm with the capability to produce television and radio PSAs, slide shows and a made-for-TV documentary on waste management issues and options in California.

### Background:

From 1979 to 1983 the Board had a substantial public awareness program budget, authorized by the Litter Control, Recycling and Resource Recovery Act. During that period, the Board produced and disseminated a variety of audio-visual materials to support its program objectives. Television and radio public service announcements (PSAs) were developed and used to promote citizen awareness of the solid waste and litter problems, and recycling opportunities. A number of sound-synchronized slide shows were produced for use by the Board's speakers bureau. Most of these products are now quite dated and should be revised or replaced.

This proposed Request for Proposals/Invitation to Bid (RFP/IFB) is to acquire the services of a production firm with the capability to produce radio and television spots, sound-synchronized slide shows and a television-length documentary on California's waste management system, its problems and options. The contract amount would be provided to cover production and duplication expenses only. Responsibility for creative development and production supervision would be shared by the Board's Office of Legislation and Public Affairs and press/media consultants.

Attached to this item is a proposed description of work to be included in the RFP/IFB. A discussion of the proposed evaluation and selection process will be presented at the Board meeting.

**Recommendation:**

It is recommended that the Board accept and/or modify the proposed description of work and authorize the issuance of an RFP/IFB for media production services.

**Attachments**

1. Description of work for media production services RFP/IFB

## **Media Production Services**

### **Description of Work**

#### **1. Overview**

The California Waste Management Board (Board) is the lead agency responsible for nonhazardous waste disposal in the state. Public awareness programs conducted by the Board must provide all segments of the public with accurate and consistent information about solid waste programs and facilities. The objectives of the Board's education and public information programs are: to inform the public about the environmental benefits of active enforcement of existing regulations; to improve public involvement in the decisionmaking process associated with the siting of solid waste facilities; and to restore public confidence in the use of landfills and waste-to-energy plants for the disposal of nonhazardous solid waste. The Board's information programs focus on a number of solid waste issues including planning, permitting, landfill management and enforcement, waste-to-energy, recycling, litter reduction and household hazardous wastes.

#### **2. Purpose**

The purpose of this Request for Proposals/Invitation to Bid is to obtain the services of a media production contractor with the capability to produce and duplicate radio and television public service announcements, sound-synchronized slide shows and video documentaries for the California Waste Management Board's public awareness programs. The selected contractor shall be responsible for production services only. Creative development and production supervision shall be provided by the Board.

#### **3. Work Activities**

The selected contractor shall produce and duplicate a variety of audio-visual materials for the Board, as described below.

##### **A. Television PSAs**

Production (includes talent, studio time, location shooting, crew, editing and film) and duplication of two (2) 30-second public service announcements for statewide airing. Probable subjects include recycling and litter reduction.

B. Radio PSAs

Production (includes talent, studio time and materials) and duplication of two (2) 15-second and two (2) 30-second radio public service announcements for statewide airing in the area of resource conservation.

C. Slide Shows

Production (includes talent, studio time, location shooting, sound, editing and film) and duplication of three (3) 10-12 minute sound-synchronized slide shows on the following subjects: (1) advanced waste disposal technologies, with an emphasis on resource recovery and conservation project development; (2) landfill design, operation and regulation; and (3) facility planning and siting.

D. Video Documentary

Includes all above-the-line costs for the production of a 30-minute made-for-television documentary about California's waste management strategy, and State and local efforts to plan, site, permit and regulate safe waste disposal facilities.

4. **Budget**

The Board has budgeted up to \$50,000 for the performance of the activities described in Section 3. These funds shall be allocated from the Board's 1986-87 budget, pending selection of a contractor and subject to the availability of funds.

5. **Term**

The term of the agreement for these services shall be one (1) year, commencing on the date of approval by the Department of General Services.



# CALIFORNIA WASTE MANAGEMENT BOARD

## AGENDA ITEM #8

OCTOBER 10, 1986

### Item:

Consideration of issuing a Request for Proposals to prepare guidelines to help local enforcement agencies design, construct, and operate leachate and gas monitoring and control systems at closed and operating landfills.

### Key Issues:

- o At its August 28, 1986 meeting the Board gave conceptual approval for an RFP to prepare guidelines for local officials regarding closed landfills.
- o A draft RFP for developing guidelines for the design, construction and operation of landfill gas and leachate monitoring and control system is attached.
- o The guidelines to be developed will assist local enforcement officials, landfill owners and operators and others in assuring that such facilities are constructed and operated in a manner that will comply with State Minimum Standards with respect to control of landfill gases and leachates.
- o The RFP calls for entering into a contract for up to \$50,000.

### Background:

This item is a follow-up to the Board's approval (at its August 28, 1986 meeting) of proceeding with an RFP for a guideline for local regarding closed landfills.

Although the State Minimum Standards contain regulations designed to assure that landfill gases and leachates are adequately controlled at solid waste disposal sites, these standards do not specifically address specifications for design, construction, and operation of landfill gas and leachate monitoring and control systems. The attached RFP is proposed to help assist local enforcement officials in assessing adequacies of proposed monitoring and control systems. These guidelines will also assist the State's landfill owners and operators, consultants, and construction contractors in designing and constructing systems that will achieve State Minimum Standards for landfills.

### Recommendation:

It is recommended that the Board approve the attached draft RFP and authorize staff to finalize and issue the document calling for entering into a contract for \$50,000.

# **CALIFORNIA WASTE MANAGEMENT BOARD**

## **Request for Proposals**

### **Design Construction and Operation Guidelines**

### **Landfill Leachate and Gas Monitoring and Control Systems**

#### **I. INTRODUCTION:**

The California Administrative Code Title 14, Division 7, Chapter 3 contains regulations designed to assure that leachate and landfill gas are adequately controlled at solid waste disposal sites so as to not endanger public health and safety and to protect the environment. Section 17704 requires that landfill operators take "adequate steps to monitor, collect, treat and effectively dispose of leachates," and Section 17705 outlines procedures and responsibilities in defining, monitoring, and controlling landfill gas migration. In order to more effectively carry out the requirements of the law and to assure that the regulations are administered consistently throughout the State, it is necessary to outline appropriate guidelines for local enforcement agencies for the design, construction and operation of leachate and gas monitoring and control systems. The preparation of guidelines for leachate and gas monitoring and control systems, is the subject of this RFP.

A maximum of \$50,000 is available for a contract to accomplish this work.

#### **II. PURPOSE**

The purpose of this RFP is to solicit proposals for the preparation of a manual detailing design, construction, and operation guidelines for leachate and gas monitoring and control systems. This document, together with procedural guidelines being prepared by Board staff, will assist local enforcement agencies and landfill owners and operators in assuring that solid waste disposal sites are effectively monitored to detect leachate, and gas movement, and that control systems implemented will function effectively in intercepting and treating the contaminants to render them harmless.

### III. SCOPE OF WORK

The contractor selected by this process will prepare a manual that contains recommended approaches and specifications for design, construction, and operation of leachate and landfill gas monitoring and control systems. In preparing this manual, the contractor will thoroughly research existing system design, construction, and operation and maintenance histories to provide a basis for the guidelines. Proposals by prospective contractors should include a listing and pertinent data (location, owner, operator, number of years in operation, etc.) regarding existing facilities which are proposed to be researched as a part of this investigation. Access to the required information from the owner/operators of the facilities to be investigated should also be discussed in the proposals.

The two subjects, leachate and landfill gas, will be covered in separate sections of the document and will be designed for use by local enforcement agencies, landfill owners and operators, consultants, contractors and others in designing, constructing, and operating appropriate monitoring and control systems. As a minimum, the manual will contain the following:

#### A. Leachate Monitoring and Control Systems

1. Monitoring system's design, construction standards and operation
  - o Description of systems
  - o Design guidelines and specifications including placement of wells, well diameter and depths
  - o Well construction guidelines and specifications including drilling methods and procedures, geologic logging, casing sizing, gravel pack design, well screen determination, casing material, design of seals, and surface construction.
2. Monitoring program
  - o Monitoring well development
  - o Monitoring parameters
  - o Monitoring equipment
  - o Sampling procedures and techniques
  - o Sampling frequency
  - o Field and laboratory analysis
  - o Interpretation and presentation of data

### **3. Leachate Control Systems**

- o Description of systems and their application
- o Design guidelines and specifications for leachate barrier, extraction wells, and other control systems
- o Construction standards for leachate barriers, extraction wells and other control systems
- o Design standards and specification for pumps and appurtenant equipment
- o Leachate treatment options

### **4. Control system operation and maintenance**

## **B. Landfill Gas Monitoring and Control Systems**

### **1. Monitoring system design, construction and operation**

- o Description of system
- o Design specifications including probe locations, minimum spacing, probe diameter and depth.
- o Well construction guidelines and specifications including pipe material, size, location and type of seals, pipe perforation requirements, type of backfill, and surface protection design.
- o System maintenance

### **2. Monitoring Program**

- o Monitoring parameters
- o Monitoring Equipment
- o Sampling procedures and techniques
- o Data recording, analysis
- o Interpretation and reporting of results

### **3. Control System Design and Construction Standards**

- o Types of control systems and applications
- o Design standard (well and trench) including location, size, spacing, and depth

- o Construction standards and specification (well and trench) including pipe material, pipe perforation requirements, type of backfill, and surface seals and protection.
- o Design and specifications for pumps and appurtenant equipment.

4. Control System Operation and Maintenance

## Landfill Guidelines

### Evaluation Criteria

All proposals meeting the Minimum Proposal Requirements will be evaluated, scored, and ranked in accordance with the procedures and methods described in Section VI., using the criteria listed below and incorporated in the Proposal Rating Sheet (see Exhibit A).

#### 1. Content

The prospective contractor shall address in writing the following items:

##### a. Management

The prospective contractor shall designate by name the project manager to be employed. The project manager must have a minimum of five (5) years experience with projects of similar nature and complexity. The experience of the project manager must be discussed in writing in the proposal. The selected contractor shall not substitute the project manager without prior approval of the Board.

##### b. Personnel

The prospective contractor shall describe the qualification of all professional personnel to be employed, including a summary of similar work performed, a resume for each professional, a statement indicating how many hours each professional will be assigned to the project, and what tasks each professional will perform. The contractor shall not cause members of the project team to be substituted without prior approval of the Board.

##### c. References

The prospective contractor shall provide names, addresses, and telephone numbers from three clients for whom the prospective contractor has performed technical and management assignments of similar complexity to that proposed in this request. A summary statement for each assignment shall be provided. The references may be interviewed regarding the effectiveness of the proposer's personnel and ability to complete projects on time. Negative responses from references may be cause for rejection of the proposal.

d. Subcontractors

If any subcontractors are to be used, the prospective contractor must submit a description of each person or firm, the work to be done by each subcontractor, the cost of the work, and a sample of similar work completed by the proposed subcontractor. All subcontracts must be approved by the Board, and no work may be subcontracted without the prior approval of the Board. In addition, the prospective contractor must indicate the cost of any subcontracts and any markup that the prospective contractor plans to take on subcontracts.

e. Conflict of Interest

The prospective contractor shall disclose any present or prior financial, business, or other relationship with the California Waste Management Board that may have an impact upon the outcome of the project. The prospective contractor shall also list current clients subject to any discretionary action by the Board, or who may have a financial interest in the policies and programs of the Board.

f. Identification Number

The selected contractor shall be assigned an identification number by the State. If the prospective contractor has already been issued an identification number under a previous State contract, that number shall be included in the proposal.

2. **Qualifications**

The prospective contractor's qualifications for the Board's project will be evaluated, based on the individual qualifications and experience of the project manager, the project team and any proposed subcontractors.

3. **Past Work**

The prospective contractor's past work record will be reviewed to determine the success of past projects and any related work record. The primary factor in this determination will be those exhibits submitted by the prospective contractor to illustrate the ability to produce the materials desired by the Board. Exhibits will be evaluated based on quality and cost of production.

4. **Time and Cost**

The prospective contractor's capability to successfully complete the Board's project will be evaluated based on the proposed work schedule and budget detail. The prospective contractor shall cost detail all items that will be charged to the Board, including

travel charges that will be involved in the project and included in the bid amount. Costs must be segregated to show actual salary costs including hours, rates and classifications, and administrative and overhead expenses. The required cost proposal format, attached as Exhibit B, must be used.

#### **5. Small Business Preference**

The Small Business Preference shall consists of five percent (5%) of the score of the cost component of the highest scored proposal submitted by another bidder who is not certified as a small business. (included as part of Item VI.C.6, above).

#### **6. Schedule of Tasks**

The proposal shall contain a detailed schedule identifying major tasks to be undertaken to conduct the work, and the sequence and time frame for each task. The schedule shall specify the estimated hours to accomplish each task.



# Landfill Guideline

## Proposal Evaluation Sheet

**1. Content.** (Maximum 10 points)

Information on management, personnel references, subcontractors, conflict of interest, and identification is provided as required by Section VI.C.1 of the RFP.

Subtotal (10) \_\_\_\_\_

**2. Qualifications.** (Maximum 45 points)

a. Project manager.

(25) \_\_\_\_\_

b. Project team and/or subcontractors.

(20) \_\_\_\_\_

Subtotal (45) \_\_\_\_\_

**3. Past Work.** (Maximum 110 points)

a. Related work record.

(50) \_\_\_\_\_

(How much work has the proposer done in this area? Years of experience number of jobs, recent work?)

b. Quality of work.

(25) \_\_\_\_\_

(Do the exhibits illustrate the quality of work both in developing specifications and producing reports?)

c. Cost of production.

(20) \_\_\_\_\_

(Do the exhibits demonstrate the proposer's ability to produce the desired materials within a reasonable budget and flexible time frame?)

d. Favorable references.

(15) \_\_\_\_\_

(Do the references report the proposer completes projects effectively and on time?)

Subtotal (110) \_\_\_\_\_

**4. Time and Cost.** (Maximum 20 points)

a. Detailed work schedule.

(10) \_\_\_\_\_

Does the schedule clearly specify the required tasks? Is the schedule reasonable, considering the staff available?

b. Cost.

(10) \_\_\_\_\_

(Does the proposed budget detail  
indicate sufficient resources to complete  
the proposed project?)

Subtotal (20) \_\_\_\_\_

**5. Small Business Preference. (Maximum 5 points)**

(If the proposer qualifies, he or she  
will be awarded 5% of the highest  
number of points awarded in the cost  
component to another bidder who is not  
certified as a small business, Item 4.b.,  
above)

Subtotal (5) \_\_\_\_\_

**6. Schedule of Tasks. (Maximum 10)**

Does the schedule provide sufficient detail to  
allow ready monitoring of the contract?

Subtotal (10) \_\_\_\_\_

**TOTAL POINTS (200.5) \_\_\_\_\_**

**(Includes small business preference)**

**Landfill Guideline  
Schedule for Evaluation of Proposals  
and Award of Contract**

October 9.	Advertisement deadline, <u>State Contracts Register</u> .
October 9-10	CWMB approves issuance of Request for Proposals.
October 28	<u>State Contracts Register</u> published.
November 12	Proposal deadline (earliest permitted by <u>Contracts Register</u> ) Proposals must be receive by 4:45 p.m. Proposals will be opened and evaluation will begin.
December 22	Final Contract awarded.

# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item # 9

October 10, 1986

### Item:

Consideration of request for proposals (RFP's) to produce a series of seminars on special wastes handling, storage, transportation, and disposal.

### Key Issues:

The proposed RFP seeks to develop a seminar series to present current standards and methods for handling special waste problems on the local level.

Seminar participants will be instructed in the basic knowledge and approach necessary to determine how special wastes should be handled under varying conditions.

The RFP calls for a contract in the amount of \$48,000 for a term of 1 year.

### Background

Local Enforcement Agencies are confronted with questions regarding unusual or special waste handling, treatment, and disposal with increasing frequency. There is no clear directive for LEA's to follow in seeking solutions to these special problems. The Board is not the only state agency concerned with the proper handling and disposal of special or unusual wastes. There is a need to collect available state and federal directives and regulations and to establish a clear state policy on handling and disposal of these special and unusual materials.

Special wastes include materials in the waste stream that require special treatment, handling, and/or disposal techniques or permit changes, in form or substance, for proper disposal. Special waste problems either involve special waste handling or disposal or are the unusual or difficult waste management collection, transportation, storage or disposal problems that the LEA must solve. Examples of special waste types and problems can be found in Table I.

The RFP is for the preparation of a training plan and a series of four, two-day seminars in selected locations in the Bay area, Northern, Central, and Southern California. The seminars will present the basic strategies for special waste problem solving and solutions for some of the most frequently encountered problems.

The contract developed as a result of the RFP will be for a term of 1 year with a maximum funding of \$48,000. The RFP is

soliciting proposals for a fixed price contract. Any contract award made under this RFP will be made to the responder submitting the proposal which obtains the highest number of points pursuant to the procedures and methods set forth in the Evaluation section.

This RFP does not contain a "low bid" selection process, and any contract award made hereunder will not be based on the lowest bid, but on the evaluation and selection process referenced above and set forth in the Description of Work section, below.

Progress payments will be made on a monthly basis, in arrears, based on a monthly invoice and written progress report. Ten (10) percent of each payment will be withheld, to be paid on the satisfactory completion of the contract.

It is anticipated that a contract will be awarded in January 1987 and shall be completed by December 1986.

#### **Recommendation:**

The Board approve the issuance of an RFP for the preparation of a training plan and a series of four, two-day LEA training seminars on special waste handling, storage, transportation, and disposal.

## **TABLE I**

### **Special Wastes and Special Waste Problems**

#### **Examples of Special Wastes**

**Asbestos  
Infectious materials  
Waste oil  
Grease trap sludge  
Household hazardous materials  
Potentially hazardous or designated wastes  
Sludge or septage  
Liquid wastes  
Cannery and other agricultural wastes  
Other**

#### **Examples of Special Waste Problems**

**Which landfills can or will accept this waste?  
What are the current acceptable waste handling methods?  
How can this waste's safety requirements be best enforced?  
Is this waste a hazardous material?  
Will a change in the permit be necessary for the landfill to  
accept this waste? And, if so, what sort of change?  
What agencies and laws regulate this waste?  
What steps must be taken when this waste is dumped illegally?**

# **SPECIAL WASTES SEMINAR SERIES**

## **Description of Work**

### **Overview**

Local Enforcement Agencies look to the Board for advice and direction on solid waste issues. The Board's training seminars have filled an expressed need for detailed factual information presented in a systematic manner. Special wastes are a large group of diverse materials, presenting problems in handling, storage, and disposal. The Board has no adopted policy on the disposition of these wastes. Through these seminars the Board will provide direction on special waste problems and to present this information to LEA's.

### **Purpose**

This proposal will obtain the services of a contractor to review the available laws, rules, and regulations concerning special wastes and develop a procedure Local Enforcement Agencies can use when confronted with problems involving the storage, treatment, transportation, handling, and disposal of special wastes. The contractor will, subject to Board approval, provide strategies for solving special waste problems, and present these to LEA's in a seminar series.

### **Tasks**

The contractor shall produce several outputs for the Board as described below.

A. Compile a special waste handling manual including applicable state laws and Board policies, specific approaches to the more common special waste problems, and strategies to approach diverse special waste problems.

B. Develop, organize, produce, and present a series of seminars on special wastes, to be given in the Northern, Southern, Central, and Bay areas of the state. The seminars shall be of 2 days duration, the location and dates to be approved by the Board at least 90 days in advance of the proposed seminar dates.

C. One two-day seminar session shall be recorded on video tape together with a separate audio tape and presented to the Board upon completion of the contract.

D. Drafts of the manual shall be prepared and submitted to the Board for comments and approval 60 days before the seminar dates. Seminar dates shall not be established until a formal approval of the manual is obtained.

E. A camera ready copy of the manual, together with an IBM compatible computer disk, encoded with the manual in IBM format,

shall be supplied by the contractor.

F. The contractor shall secure (subject to approval) facilities for each of the four seminars.

G. The contractor shall provide certificates of attendance for all Local Enforcement Agency personnel attending the seminars.

H. The contractor shall devise a pre- and post-seminar test to be approved by the Board and administer the test before and at the conclusion of each of the four sets of seminars.

I. The contractor shall provide a register of seminar participants, including their organization, address, and telephone number, for each of the seminars.

J. The contractor shall provide and administer a seminar evaluation and report this information to the Board.

K. The contractor shall present, in writing, monthly status reports to the Board and meet with Board staff every 6 weeks to discuss their progress and receive Board comment.

### **Budget**

The Board has budgeted \$48,000 for this seminar and manual series, to be allocated from the Board's 1986-87 budget, pending its approval and subject to availability of funds.

### **Term**

The term of the agreement for these services shall be January 1, 1987 (or date of approval by the Department of General Services, whichever is later) through December 31, 1987.



## SPECIAL WASTES SEMINAR SERIES

### EVALUATION CRITERIA

All proposals meeting the Minimum Proposal Requirements will be evaluated, scored, and ranked in accordance with the procedures and methods described in Section V.A., using the criteria listed below and incorporated in the Proposal Rating Sheet.

#### 1. Content

The prospective contractor shall address in writing the following items:

##### a. Management

The prospective contractor shall designate by name the project manager to be employed. The project manager must have a minimum of 5 years experience with projects of similar nature and complexity. The experience of the project manager must be discussed in writing in the proposal. The selected contractor shall not substitute the project manager without prior approval of the Board.

##### b. Personnel

The prospective contractor shall describe the qualification of all professional personnel to be employed, including a summary of similar work performed, a resume for each professional, a statement indicating how many hours each professional will be assigned to the project, and what tasks each professional will perform. The contractor shall not cause members of the project team to be substituted without prior approval of the Board.

##### c. References

The prospective contractor shall provide names, addresses, and telephone numbers for three clients for whom the prospective contractor has performed technical and management assignments of similar complexity to that proposed in this request. A summary statement for each assignment shall be provided. The references may be interviewed regarding the effectiveness of the proposer's personnel and ability to complete projects on time. Negative responses from references may be cause for rejection of the proposal.

##### d. Subcontracts

If any subcontractors are to be used, the prospective contractor must submit a description of each person or firm, the work to be done by each subcontractor, the cost of the work, and a sample of similar work completed by the proposed subcontractor. All subcontracts must be approved by the Board, and no work may be subcontracted without the prior approval of the Board. In addition, the prospective contractor must indicate the cost of

any subcontracts and any markup that the prospective contractor plans to take on subcontracts.

**e. Conflict of Interest**

The prospective contractor shall disclose any present or prior financial, business, or other relationship with the California Waste Management Board that may have an impact upon the outcome of the project. The prospective contractor shall also list current clients subject to any discretionary action by the Board, or who may have a financial interest in the policies and programs of the Board.

**f. Identification Number**

The selected contractor shall be assigned an identification number by the State. If the prospective contractor has already been issued an identification number under a previous State contract, that number shall be included in the proposal.

**2. Methodology**

The prospective contractor's responsiveness to the RFP and overall approach to the Board's project will be evaluated, based on the techniques proposed to accomplish the project objectives.... The prospective contractor shall describe the overall approach to the project, specific techniques that will be used, and specific administrative and operational management expertise that will be employed.

**3. Qualifications**

The prospective contractor's qualifications for the Board's project will be evaluated, based on the individual qualifications and experience of the project manager, the project team and any proposed subcontractors.

**4. Past Work**

The prospective contractor's past work record will be reviewed to determine the success of past projects and any related work record. The primary factor in this determination will be those exhibits submitted by the prospective contractor to illustrate the ability to produce the materials desired by the Board. Exhibits will be evaluated based on quality and cost of production.

**5. Time and Cost**

The prospective contractor's capability to successfully complete the Board's project will be evaluated based on the proposed work schedule and budget detail. The prospective contractor shall cost detail all items that will be charged to the Board, including travel charges that will be involved in the project and included in the bid amount. Costs must be segregated to show actual

salary costs including hours, rates, and classifications, and administrative and overhead expenses. The required cost proposal format must be used.

## **6. Small Business Preference**

The Small Business Preference shall consist of five percent (5%) of the score of the cost component of the highest scored proposal submitted by another bidder who is not certified as a small business.

## **7. Schedule of Tasks**

The proposal shall contain a detailed schedule identifying major tasks to be undertaken to conduct the work, and the sequence and timeframe for each task. The schedule shall specify the estimated hours to accomplish each task.

Exhibit A  
Proposal Rating Sheet  
LEA Training Seminar Series

Maximum 120 points without small business preference.

**I. Content**

Information on management, personnel, references, subcontracts, conflict of interest, and identification is provided as required by the Evaluation Criteria section of this RFP.

Maximum  
10 points

**II. Methodology**

1. Contractor responsiveness to the RFP and overall approach; description of approach, techniques, administrative and operational expertise.

Maximum  
15 points

**III. Qualifications**

Qualifications of key in-house professional and technical staff and ability to conduct the necessary research with proficiency and accuracy and without omission. Direct technical supervisors and key personnel must be named and resumes of their professional background and experience must be submitted.

Maximum  
40 points

1. Project Manager
2. Project Team
3. Subcontractors

25 points

10 points

5 points

**IV. Past Work**

1. General background, experience, and qualifications of the proposer.
2. References of similar contracts, past and present, including : firm, agency, or government name; address; phone number; description of work performed; a statement of whether the contract was successfully completed and accepted by the requestor. References will be verified by the Board.

Maximum  
25 points

Maximum  
20 points

**V. Time and Cost**

Proposed work schedule and budget.

Maximum  
5 points

**VI. Small Business Preference**

Small business preference consisting of 5% of the cost component of the highest scored proposal submitted by another bidder who is not certified as a small business.

Maximum  
5 points

**VII. Schedule of Tasks**

A management plan to oversee the project and those individuals who will be the primary contacts with the Board coordinator must be specifically identified.

Maximum  
5 points

# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item #10

October 10, 1986

### Item:

Consideration of the Allocation of Contract Funds for a Statewide Recycling Study.

### Key Issues:

- o Previously discussed at August Board meeting
- o Need exists for more current recycling data
- o Need exists to assess program effectiveness
- o Results would be useful in County Planning Program
- o Results would provide input data for Board's Computer Model
- o In addition, study would assess the potential for recovering other materials (plastics)
- o Would provide us with information on where recycling needs to be fostered and the appropriate types of programs for those areas

### Background:

This item was originally part of the August 28, 1986 Agenda Item #8 in which the Board was to consider concepts for proposed consulting and professional services contracts for FY 1986-87. The Board, however, approved some proposals as made and directed staff to come back at this meeting with more detail on this particular concept.

In working with representatives from local government and the private sector in the areas of landfill alternatives and planning, staff has found that there is a basic lack of current and reliable information available for use in assessing the viability of recycling as an alternative to disposal. In addition, the Board has developed a disposal alternatives financial computer model which is the best of its kind thus far. The computations done by the model, however, are only as good as the input data that are supplied. A good portion of the technical input data is derived from studies that have been done on recycling. Unfortunately, the most recent studies that have been done on recycling by the Board are now over six years old and outdated.

Additionally, there is a need to know exactly where we are in recycling in California and to assess how much more can be done without disrupting the stability of secondary materials.

The proposed study would include case studies of selected programs of varying types and would focus on the overall evaluation of program cost, effectiveness as a waste diversion program and the level of community participation. It would also include an assessment of the levels of recycling statewide. This would be assessed on a county-by-county basis. This information will provide us with figures we can use to determine where more recycling needs to be fostered and they types of programs that are appropriate for certain areas. It will also provide valuable information that can be used in the county planning process.

In addition, the study would provide us with figures on container recycling which would allow us to better estimate the effects of AB 2020 and to measure its effectiveness in the future.

The Study tasks would include:

- o An estimate of the availability of recoverable materials in each county of California.
- o An accounting and assessment of current waste diversion through materials recovery in each county of California.
- o Identification of available secondary markets, their capacities and potential for expansion.
- o The identification of potentially recoverable materials (i.e. plastics) and an identification of the conditions under which these materials could be successfully collected and recycled.
- o An overview of the status of recycling statewide and recommendations on how recycling could be economically increased.
- o Three case studies of selected recycling programs of varying types (one commercial, one buy-back and one drop-off) to determine both their economic viability and their effectiveness as waste diversion programs.

Staff is proposing that the Board retain a contractor to perform the tasks identified above to provide the Board with recycling information that is basic to planning future programs. Like the California Litter Survey, it will provide us with solid baseline information which we can use to structure our Recycling Program activities. The study process would take approximately 6 months, including the standard Request for Proposals and contract selection process.

**Recommendation:**

Staff recommends that the Board approve the allocation of \$45,000 from general contract funds to retain a contractor to perform a Statewide Recycling Study.



# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item #11

October 10, 1986

### Item:

Quarterly Review of the Status of the Markets for Recyclables.

### Key Issues:

- o Aluminum: Expected price decline did not occur
- o Glass: Price remains same of previous 3 quarters
- o Newspaper: Prices constant, foreign markets improving
- o Corrugated: Domestic prices constant, foreign price jump
- o Used Oil: Collectors paying for pickup

### Background:

At its October 9-10, 1985 meeting, the Board directed staff to prepare a report on the status of the markets for materials collected for recycling. At the November 7-8, 1985 Board meeting, staff made a presentation and was then directed to provide the Board with quarterly updates on the markets for secondary materials. The three preceding reports addressed secondary market conditions experienced in the last quarter of 1985 and the first and second quarters of 1986. This update will address the secondary market conditions experienced in the third quarter of 1986 and compare them with the conditions reported previously.

### Market Status Report

The prices paid for recyclables are determined by general supply and demand economics along with unique economic situations which are related to the individual recyclable materials. The supply and demand factors which influence the prices paid for recyclables include:

- 1) the level of supply of secondary materials
- 2) the level of foreign demand for secondary materials
- 3) the level of foreign supply of virgin materials
- 4) the level of domestic demand for products made from secondary materials

Due to the fact that California is situated relatively close to far eastern countries, which import large amount of paper, the prices paid for paper products are heavily influenced by far eastern demand. California's markets are also heavily influenced by the supply and price of Canadian and Norweigian paper pulp and wood products.

Five commonly recycled items (aluminum, glass, newspaper, corrugated, and used oil) are addressed in this report and the prices paid for those in the third quarter of 1986 are compared to the prices paid during the previous three quarters. The prices quoted are those that were being paid at the end of the quarter.

### Aluminum

Previously, we have seen the market for aluminum drop to a historically low level in late 1985 and then rebound moderately in early 1986. This fluctuation was caused in large part by the change in value of the U.S. dollar overseas. The 10-20 cents per pound being paid to the public and the 25-30 cents per pound to the public and 35-40 cents per pound to collection centers in early 1986.

In the second quarter of 1986 we saw a slight decline in the prices being paid for aluminum. Prices paid to the public range from 16-25 cents per pound and prices paid to collection centers range from 30-35 cents per pound. This situation was caused by high inventories of aluminum due to large purchases during the early 1986 price increases and some speculation of abundant supply due to a container legislation trend. At that time, it was speculated that prices could drop another six cents by the end of the summer.

In the third quarter of 1986, prices for aluminum are the same as those paid in the previous quarter. The expected decline did not occur.

### Glass

The raw materials used to produce glass (limestone, sand and soda ash) have been relatively inexpensive over the years. Glass companies, however, have found that by using waste glass in their glass batches they can keep natural gas costs down because of the lower melting temperature of whole glass. Its utilization also assists in keeping air emissions from the glass plants at acceptable levels. Additionally, glass companies are endeavoring to promote maximum recycling of the glass packaging that they produce as possible in order to conserve natural resources. These benefits have caused glass companies to drastically raise their prices for waste glass over the last couple of years.

The market for glass has remained relatively stable over the last few years. The price in the third quarter of 1986 is the same as it was the three previous quarters, 25-30 dollars per ton to the public and 55-70 dollars per ton to collection centers.

Assembly Bill 2020 was referenced in the last staff report as a measure that could have a significant impact on the glass market. Since that time the glass production industry has indicated that it will purchase all of the glass collected with no significant decrease in price. The actual impact of this legislation, however, will not be felt until the last quarter of 1987 when the new law would actually be implemented.

### Newspaper

The newspaper market in California is extremely sensitive to two factors. These include the demand of the far eastern countries and the supply of virgin pulp from Canada and Scandinavia.

In the second quarter of 1986 the price being paid to brokers for baled newspaper by the foreign markets was 65 dollars per ton, just as it was in the first quarter of 1986. The price being paid to the public also remained constant at 25 dollars per ton.

Early in the third quarter of 1986, the foreign market conditions began to improve. Foreign inventories are down and they should soon begin to replenish these supplies.

The domestic price for newspaper is 55 dollars per ton to collection centers for de-inking stock and 45 dollars per ton for board mill stock. The foreign price delivered to the dock is 60 dollars per ton.

### Corrugated

The old corrugated market in California is heavily influenced by the Canadian supplies of pulp and wood products and the demand of the far eastern markets. Another significant influence is the Inland Paper Plant in Southern California which has been closed for the last three quarters because of water pollution problems and has still not resolved these problems.

The corrugated price had remained constant at 70 dollars per ton on the foreign market and 65 dollars per ton on the domestic market over the previous two quarters. Prices paid to the public averaged 20 dollars per ton. In the third quarter of 1986 the foreign price jumped to 90 dollars per ton and the domestic price increased to 70 dollars per ton. The price paid to the public is 35 dollars per ton.

## Used Oil

The markets for used oil include the re-refining industry, the fuel oil processing industry and the shipping industry. Over the past several years the markets for used oil have been very stable. However, in the first quarter of 1986 used oil collectors were paying 20-25 cents per gallon to collection stations and the collectors were receiving 50-55 cents per gallon from oil processors and re-refiners. In the first quarter of 1986 collection stations received a high of 5 cents per gallon and collectors received 15-20 cents per gallon from oil processors and re-refiners.

The decline of prices paid for used oil is the result of a decline in demand for used oil as a fuel supplement due to a drop in prices for crude oil stocks which are now in large supply.

In the second quarter of 1986 the situation remained much the same. Most collection centers were happy to give the oil to collectors at no charge. In the third quarter of 1986 collection stations for the most part have had to pay an average of 25 cents per gallon to have the oil picked up. Approximately two-thirds of the 2600 collection stations on our list are still accepting oil.

# **CALIFORNIA WASTE MANAGEMENT BOARD**

## **AGENDA ITEM #12**

**October 10, 1986**

### **Item:**

Demonstration of the Landfill Gas Generation Computer Model by George Tchobanoglous, Ph.D. and research assistants from University of California, Davis.

### **Background:**

At the May 8 - 9, 1986 Board meeting, the Board authorized the execution of an Interagency Agreement with the University of California at Davis. The agreement, which was executed on May 20, 1986, called for a number of deliverables. The first is a computer model to predict the amount of landfill gas generated in any landfill. The model has been completed, delivered and demonstrated to Board staff.

This presentation is to keep the Board apprised of progress on the study and give Board members a chance to ask any questions.

### **Recommendation:**

First progress report on landfill gas generation, movement and control project.

Proposal

**EVALUATION OF THE GENERATION, MOVEMENT AND CONTROL  
OF GASES PRODUCED IN SOLID WASTE LANDFILLS**

by

**George Tchobanoglous, Ph.D.  
Daniel P.Y. Chang, Ph.D  
Department of Civil Engineering  
University of California, Davis  
Davis, California 95616**

**FUNDING AGENCY:** California Waste Management Board  
1020 9th Street, Suite 300  
Sacramento, California 95814

**CONTRACTOR:** The Regents of the University of California  
(University of California at Davis)

**DURATION:** 30 months

**CONTRACT FUNDING:** \$ 50,000.00 (Phase I budget)  
(\$135,000 - estimated total budget)

**OUTSIDE COOPERATION:** Selected municipalities and private landfill  
operators

**PRODUCTS:** (in the order of completion)

Phase I

- a) A computer model to predict the amount landfill gas generated in any landfill (August 1986).
- b) A computer model to determine the optimum location of perimeter and surface wells to control and recover landfill gas (April 1987).
- c) A training course for selected Waste Management Board personnel in use of the computer models (September 1986 and May 1987).
- d) A detailed work plan for the Phase II study (August 1986).
- e) A literature survey for information regarding the movement of small and trace amounts of landfill gas through soil and solid waste (June 1987).

## CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300  
SACRAMENTO, CA 95814

Meeting of the  
CALIFORNIA WASTE MANAGEMENT BOARD  
Hearing Room  
River City Bank Building  
1020 Ninth Street, Suite 300  
Sacramento, CA 95814

November 7, 1986

N O T I C E AND A G E N D A

Note: The Board will convene at 10:00 a.m., November 7, 1986. This agenda represents the order in which items are scheduled to be considered. Since the Chairman, however, may change this order, participants and other interested parties are advised to be available during the entire meeting.

If written comments are to be submitted to the Board, 15 copies should be provided.

	<u>MINUTES</u>
1. UPDATE AND CONSIDERATION OF LEGISLATION	15
2. CONSIDERATION OF APPROVAL OF THE MARIN COUNTY SOLID WASTE MANAGEMENT PLAN REVISION	15
3. STATUS OF DELINQUENT COUNTY SOLID WASTE MANAGEMENT PLANS	10
4. CONSIDERATION OF ISSUANCE OF INVITATION FOR BIDS FOR MEDIA PRODUCTION	20
5. PRESENTATION ON REVIEW OF NEW FEDERAL TAX LEGISLATION IMPACT ON WASTE-TO-ENERGY PROJECT FINANCING BY SALOMON BROTHERS INC	45
6. <del>UPDATE ON STATUS OF NORTH COUNTY RECYCLING AND ENERGY RECOVERY CENTER (SAN MARCOS, SAN DIEGO COUNTY)</del>	45
7. UPDATE ON THE BOARD'S LITTER PROGRAM	15
8. STATUS OF THE HOUSEHOLD HAZARDOUS WASTE STUDY	15
9. REPORT ON BKK LANDFILL CLOSURE PLAN	20
10. UPDATE ON THE PRESLEY INSPECTION PROGRAM	15
11. STATUS REPORT ON LANDFILL GAS UNIT ACTIVITIES	10
12. REPORT ON SIGNIFICANT STAFF ACTIVITIES	10
13. REVIEW OF FUTURE BOARD AGENDA ITEMS	5
14. OPEN DISCUSSION	

15. ADJOURNMENT

Note: The Board may hold a closed session to discuss personnel, as authorized by State Agency Open Meeting Act, Government Code section 11126(a), and litigation, pursuant to the attorney-client privilege, Evidence Code section 950-962, and Government Code section 11126(q).

For further information contact:  
CALIFORNIA WASTE MANAGEMENT BOARD  
1020 Ninth Street, Suite 300  
Sacramento, CA 95814  
(916) 322-3330



# **CALIFORNIA WASTE MANAGEMENT BOARD**

## **Agenda Item #2**

**November 7, 1986**

### **Item:**

Consideration of Approval of the Marin County Solid Waste Management Plan Revision.

### **Key Issues:**

- o Delinquent since March 1984.
- o CoSWMP revised in eight areas.
- o All eleven cities have approved Plan.

### **Background:**

The original Marin County Solid Waste Management Plan was approved by the California Waste Management Board on June 24, 1977. On March 12, 1981 the County submitted a Plan Review Report to the Board indicating that there was no need for a Revision. On June 23, 1983 the State Board accepted the Report, but disagreed with the County and directed the County to revise the County Solid Waste Management Plan in the following areas:

1. Objectives and Measures to Achieve Objectives
2. Identification of Solid Wastes
3. Storage and Collection of Solid Wastes
4. Disposal and Processing of Wastes
5. Resource Recovery
6. Plan Administration
7. Economic Feasibility
8. Implementation Schedule

The Marin County Department of Planning submitted a draft Plan Revision to the Board in December 1985. The document was reviewed by Board staff and comments sent to the County. The Final Plan Revision was received by the CWMB on September 25, 1986. All eleven incorporated cities in the County as well as the County Board of Supervisors have approved the Plan Revision. This approval is the final action to be taken prior to submittal to the California Waste Management Board.

Copies of the Plan Revision have been provided to all members of the Board. The Plan Revision was also circulated for review and comment to the State Water Resources Board, the Department of Health Services, the San Francisco Bay Regional Water Quality Control Board, and the Bay Area Air Quality Maintenance District. No significant comments were provided by these agencies on the Plan Revision.

## **Plan Summary:**

### Overview of County:

Marin County has a population of 225,000 and is located about 100 miles southwest of Sacramento. There are eleven incorporated cities in the County, with San Rafael serving as the County seat.

### Revision Features:

#### **Chapter 1 - Plan Administration, Economic Feasibility and Implementation**

The Board of Supervisors has general responsibilities for the County Solid Waste Management Plan; however, maintenance of the Plan has been delegated to the County Planning Department. The County Division of Environmental Services has been designated as the Local Enforcement Agency for the County.

A discussion of capital expenditures necessary for landfill monitoring as well as a listing of the costs involved with the curbside recycling programs are made a part of this Chapter.

A new implementation schedule for projected actions over the twenty year planning period has been drafted for the Plan Revision.

#### **Chapter 2 - Identification of Solid Wastes**

This Chapter discusses the municipal wastes handled by local collectors and landfills or recycled by any known methods. Total growth of wastes generated through the year 2005 is projected. A solid waste composition analysis is depicted graphically in this Chapter.

#### **Chapter 3 - Storage and Collection of Solid Waste**

The storage and collection of solid wastes are regulated by 23 local governments through 9 collection systems. Other collection systems are also operated by the National Park Service and the California Department of Parks and Recreation.

Only one agency, the Ross Sanitary District, has issued a new franchise since the 1977 Plan was drafted. The District has entered into an agreement with Marin Sanitary Service to service the communities of Kent Woodlands, Kentfield, Greenbrae and Del Mesa.

All County Collection Systems and Collection Service Areas are listed in this Chapter.

#### Chapter 4 - Disposal and Transfer Facilities

Three solid waste disposal facilities and one transfer station handle municipal solid wastes in the County. In addition, the southern portion of Marin County is served by the West Contra Costa Sanitary Landfill near San Pablo. Particulars regarding the in-county facilities are as follows:

FACILITY	REDWOOD SANITARY LANDFILL	WEST MARIN SANITARY LANDFILL	SAN QUENTIN SANITARY LANDFILL
Total Area	600 ACRES	537 ACRES	37 ACRES
Permitted Area	420 ACRES	25 ACRES	35 ACRES
Date Open	1957	1965	1968
Closure Date	1998	2004	1987
Volume Received	167,000 T.P.Y.	7,500 T.P.Y.	36,000 T.P.Y.
Site Classification	II & III	III	III
Days of Operation	7	5	7
Owner/Operator	PRIVATE	PRIVATE	PRIVATE

Two Marin collectors have contracts with the West Contra Costa Landfill to dispose of wastes until 1999; however, it is not certain if the site will remain open that long. A recent survey estimates the facility will close some time between 1989 and 2002 depending on several scenarios, and several alternatives are being studied as replacements for the site. Currently, some 36,000 tons of wastes annually are being hauled from Marin County to this site.

Chapter 4 also recommends implementation of a siting study to provide for the eventual closing of the Redwood Landfill. Considerable discussion and study have been made of this facility, which consists of 600 acres, although only 420 acres are currently permitted for disposal of wastes. Because of environmental and other concerns, it is uncertain if the operators will be allowed to expand into this additional area.

The revised Plan contains a somewhat novel policy that prohibits acceptance of any new wastes for disposal from out-of-county unless there is at least fifteen years of fully permitted disposal capacity remaining in Marin County.

## **Chapter 5 - Waste Reduction and Reuse**

The most obvious and efficient means of resource conservation and recovery are waste reduction and waste reuse. Chapter 5 discusses such measures as Container Deposit Legislation and its effect on Marin County's curbside program, energy and water use. This Chapter recommends that the County Solid Waste Advisory Committee work to reduce waste by all practical means. Such methods include limiting County purchases to those goods that can easily be recycled and encouraging planting of low growth perennials to reduce the amounts of yard waste that must be landfilled.

Marin County has a large and well organized Food Bank Operation in place that collects and distributes over 325 tons of salvaged food products annually that would otherwise be landfilled. Wholesale and retail establishments donate day old bread, dairy products and other goods to the program. This in turn saves these establishments the cost of disposal of the donated products.

Another notable program for waste reuse in the County is the salvage operation at the San Quentin Landfill. A private scavenger reclaims over 2200 tons of durable goods that would otherwise use up valuable landfill space. This reclamation includes over 200 tons of wood and building materials that are salvaged for resale.

## **Chapter 6 - Recycling and Resource Recovery**

A discussion of earlier recycling programs in the County and their evolution into the present system is made.

CWMB grants were used in earlier years to fund a waste-to-energy feasibility study for the area and to assist in organizing curbside programs within the County.

Currently there are five programs within the County collecting recyclables from residences. Novato Disposal Service, San Anselmo Garbage Disposal Service and Shoreline Disposal Services provide weekly collection of recyclables as part of their waste collection duties. Two independent operators (Marin Recycling, and Sausalito Community Recycling) provide weekly service collecting recyclable materials. The latter two companies both receive external funding through surcharges to cover operating expenses.

Commercial recycling in Marin County is also conducted through aluminum buy-back programs at eight local Safeway Stores and the local Coors beverage distributors. Further discussions of volumes and types of recyclables recovered are contained in this Chapter.

The County will attempt to increase the amounts of wastes recycled from the current 12 percent to 47 percent of all wastes landfilled in the County by 1990. Although the recycling goals are ambitious, the effort required is justified by the landfill shortage in the Bay Area and the difficulty and expense of replacing Marin County Landfills. The goals selected are a compromise between the 51% suggested by the Northern California Recycling Association, the 35% suggested by the California Resource Recovery Association and the 30% figure contained in the CWMB Comprehensive Plan.

An extensive discussion of the feasibility of waste-to-energy as a means of waste disposal and resource recovery is also included here.

### **Chapter 7 - Enforcement Program**

The Marin County Division of Environmental Health Services has been designated by the Board of Supervisors as the Local Enforcement Agency (LEA). The Environmental Health Services Agency has drafted an Enforcement Program Plan and is responsible for enforcement of state and local regulations as well as permitting of solid waste facilities. Currently, the Division spends approximately \$50,000 annually on enforcement activities. A copy of the Local Enforcement Program is included in the Plan Revision.

### **Chapter 8 - Hazardous Waste**

A Hazardous Materials Committee exists within the Marin County Disaster Council. This Committee is currently studying problems of hazardous waste management, including household hazardous waste, needs within Marin County.

### **Chapter 9 - Special Wastes**

Waste disposal outside of the normal domestic and commercial waste stream, for example; abandoned cars, septage pumpings, broken asphalt, and waste water treatment plant sludge, are discussed in detail in this section.

Ghilotti Brothers Incorporated operates a 12 acre site for inert materials in the County that crushes approximately 120,000 tons annually of stone and concrete rubble for use as road, base and drain rock in their paving operation.

### **Statues of Non-Complying Solid Waste Facilities:**

No disposal facilities in the County are listed on the Open Dump Inventory and all disposal facilities currently meet the State Minimum Standards for Solid Waste Handling and Disposal.

## **California Environmental Quality Act (CEQA):**

A Mitigated Negative Declaration (SCH #86040810) for the Plan Revision was proposed, circulated and adopted by the County Board of Supervisors in compliance with the California Environmental Quality Act. Staff believes that a Mitigated Negative Declaration is an appropriate environmental document for the Plan Revision.

The Mitigated Negative Declaration for the Revised Plan was approved by the County Board of Supervisors at the time of the Plan Revision Approval.

Notice of Public Hearing on the Plan approval process has been submitted to this Board by Marin County.

## **Options for Board Action:**

1. Deny approval of the Plan Revision. This option would be appropriate if the document failed to substantially fulfill the requirements for revision of the County Solid Waste Management Plan.
2. Take no action. This option would only delay implementation of the County Solid Waste Management Plan. No logical purpose would be served by delaying action on the Plan Revision.
3. Approve the Plan Revision as submitted. This is the appropriate action if the document substantially complies with the State Policy for Solid Waste Management and fulfills the requirements for revision of the County Solid Waste Management Plan.

## **Recommendation:**

Staff recommends the Board approve the Marin County Solid Waste Management Plan as submitted and adopt Board Resolution #86-72.

## **Attachments:**

1. Letter of Transmittal, E. Eric Borgwardt, Marin County Planning Department.
2. Resolution of Plan Approval, Marin County Board of Supervisors.
3. Notice of Determination (CEQA) filed on the Plan Revision.
4. Proposed Board Resolution #86-72 approving the Marin County Solid Waste Management Plan Revision.

ATTACH #1  
**Marin County  
Planning Department**

Civic Center-San Rafael, California 94903

Telephone 499-6269

Mark J. Riesenfeld, AICP, Director

August 21, 1986

Mr. Cy Armstrong  
California Waste Management Board  
1020 Ninth Street, Suite 300  
Sacramento, CA 95814

RE: Revised Marin County Solid Waste Management Plan

Dear Cy:

Due to vacations, equipment failures and other production problems, it has not been possible to complete word processing the Marin County's Revised Solid Waste Management Plan.

However, recognizing the need to deliver a product to the Waste Management Board, I have assembled the attached materials for your review and reference:

1. A copy of the Draft Solid Waste Plan which was circulated and approved by all eleven cities and towns in Marin County.
2. Copies of "Proof of Publication" which gave legal notice of public hearing on the Revised Plan by the Board of Supervisors.
3. Errata sheets which reflect changes in the Plan as adopted by the Board of Supervisors.
4. The Negative Declaration of Environmental Impact adopted by the Board of Supervisors, including mitigation measures and Notice of Determination.
5. The Resolution of the Board of Supervisors approving the Revised Plan and recommending its adoption by the California Waste Management Board.

I am very pleased with the outcome of our Revised Plan. To the best of my knowledge, the Revised Marin County Plan is the sole Plan in the entire State of California which sets a clear limit on the extent of solid waste which may be imported for disposal. By setting this precedent setting limit, the County's watershed has been clearly defined, thus providing an opportunity for fairly accurate projections of the local flow of wastes destined for disposal. The Federal court decision furnished by Waste Management Board legal counsel Robert F. Conheim (Hancock Industries versus Schaeffer) was used to great advantage during the tempestuous public hearing before the Board of Supervisors prior to adoption of the Revised Plan.

A RESOLUTION OF THE MARIN COUNTY BOARD OF SUPERVISORS  
APPROVING THE REVISED MARIN COUNTY SOLID WASTE MANAGEMENT  
PLAN AND RECOMMENDING ITS APPROVAL AND ADOPTION BY THE  
CALIFORNIA WASTE MANAGEMENT BOARD

RESOLUTION NUMBER 86-226

WHEREAS, the California Waste Management Board has formally requested that Marin County revise and update its Solid Waste Management Plan, first adopted in 1977, to conform to prevailing State standards, and

WHEREAS, the Marin County Board of Supervisors requested that the Planning Department undertake the required revisions, and

WHEREAS, the Marin County Planning Department consulted with the staff of the California Waste Management Board in the development of a work program to assure that the resulting Revised Plan would in fact meet the requirements of the State Waste Management Board, and

WHEREAS, Marin County thereafter engaged the services of a consultant to prepare a Revised Solid Waste Management Plan, and

WHEREAS, the County's consultant, working in collaboration with the staff of the Marin County Planning Department, prepared an Administrative Draft Revised Plan for review purposes which in turn led to the preparation of a Preliminary Draft Plan, and

WHEREAS, said Preliminary Draft Plan was reviewed by individuals and firms engaged in the collection and disposal of solid waste in Marin County and by individuals and organizations which have an interest in solid waste issues in Marin County, and

WHEREAS, the Preliminary Draft was further modified and revised and re-published as the Draft Revised Solid Waste Management Plan, and

WHEREAS, the Draft Revised Plan was circulated to cities and towns within Marin County for review and endorsement, and

WHEREAS, ten cities and towns within Marin County have unanimously approved the Draft Revised Plan and recommended its adoption by the Marin County Board of Supervisors, thus satisfying statutory requirements, and

WHEREAS, the Marin County Planning Department prepared a Draft Negative Declaration of Environmental Impact for the Draft Revised Plan and which Draft Negative Declaration was circulated through the State Clearinghouse to elicit the comments and concerns of State agencies which have interest in the collection and disposal of solid waste and allied matters, and

WHEREAS, public notices in the form of both legal advertisements and courtesy notices were prepared and distributed by the Planning Department in advance of the conduct of public hearing on the Revised Plan by the Board of Supervisors, and



WHEREAS, the Marin County Board of Supervisors conducted a duly noticed public hearing on Tuesday, June 24, 1986 to review the administrative record and to consider public testimony on the Revised Solid Waste Management Plan, and

WHEREAS, the Marin County Board of Supervisors found and determined that the Revised Marin County Solid Waste Management Plan meets the goals, objectives and standards of both Marin County and the State of California for the planning period.

SO, THEREFORE, BE IT RESOLVED BY THE MARIN COUNTY BOARD OF SUPERVISORS THAT a mitigated Negative Declaration of Environmental Impact prepared in connection with the Revised Marin County Solid Waste Management Plan is hereby approved and adopted, and

BE IT FURTHER RESOLVED BY THE MARIN COUNTY BOARD OF SUPERVISORS THAT the Revised Marin County Solid Waste Management Plan is hereby approved and adopted as an official statement of policy of Marin County to guide the orderly, safe and healthful collection of disposal of solid waste in Marin County, and

BE IT FURTHER RESOLVED BY THE MARIN COUNTY BOARD OF SUPERVISORS THAT the Final Revised Solid Waste Management Plan is hereby forwarded to the California Waste Management Board for its review, approval and adoption.

Passed and adopted on the 8th day of July, 1986 upon motion of Supervisor Bob Stockwell, seconded by Supervisor Bob Roumiguere, and carrying on the following roll call vote:


AYES: SUPERVISORS Al Aramburu, Bob Stockwell, Bob Roumiguere, Gary Giacomini

NOES: None

ABSENT: SUPERVISOR Harold C. Brown, Jr.

Attest:

Attest:

  
Chairman of the Board

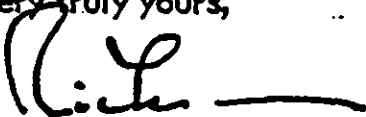
  
Clerk of the Board

Cy Armstrong  
California Waste Management Board  
August 21, 1986  
Page two

Additionally, I am equally pleased that the recycling and resource recovery goals and policies set forth in the Revised Plan have remained intact.

These materials are being incorporated into the final version which will be forwarded to you as soon as possible. In the meantime, if you require additional information, please call.

Very truly yours,



H. Eric Borgwardt  
Principal Planner

cc: Mr. Robert F. Corheim, Esq.  
ABAG

NOTICE OF DETERMINATION  
Marin County  
Environmental Coordination and Review

FILED

TO: County Clerk  
County of Marin

AUG 6 1986

FROM: Planning  
(Lead Agency)

HOWARD HANSON  
MARIN COUNTY CLERK  
By P. Ryan, Deputy

Project Title		Draft Revised Solid Waste Plan, Plan Amendment
State Clearinghouse Number (if submitted to State Clearinghouse)		
Contact Person	Rick Borgwardt	Telephone Number 499-6269
Project Location		Marin County
Project Description Proposed amendments and revisions to Marin County Solid Waste Management Plan pursuant to the requirements of the CWMB.		

The Project was ☒ Approved  
☐ Disapproved

By: Board of Supervisors On: July 8, 1986

- ☒ The project in its approved form will not have a significant effect on the environment. No Environmental Impact Report was prepared and pursuant to the provisions of CEQA, a Negative Declaration is attached.
- ☐ The project in its approved form will not have a significant effect on the environment. An Environmental Impact Report was prepared for this project pursuant to CEQA and I certify that this EIR was carefully considered prior to this determination.
- ☐ The project in its approved form will have a significant effect on the environment. An Environmental Impact Report was prepared for this project pursuant to CEQA and I certify that this EIR was carefully considered prior to this determination. A statement of findings pursuant to Section 15091 of the State EIR Guidelines is attached.

N.D.

A copy of the ~~EIR~~ is on file at:

Agency: Marin County Planning Department  
Address: Civic Center, San Rafael, Ca. 94903  
By: M. Borgwardt Date: 8/5/86  
Title: Env. Coord.

The filing of this Notice of Determination starts a 30 day statute of limitations on court challenges to the approval under CEQA.

# CALIFORNIA WASTE MANAGEMENT BOARD

## Resolution # 86-72

Resolution of Approval of the First Revision to the Marin County Solid Waste Management Plan.

WHEREAS, the Nejedly-Z'berg-Dills Solid Waste Management and Resource Recovery Act of 1972 (hereafter referred to as the Act), requires each County, in cooperation with affected local jurisdictions, to prepare a comprehensive, coordinated Solid Waste Management Plan consistent with State Policy and Planning Guidelines; and

WHEREAS, the County of Marin prepared a Solid Waste Management Plan which was approved by the California Waste Management Board on June 24, 1977; and

WHEREAS, the Act requires that approved Solid Waste Management Plans be revised, if appropriate, at least every three years; and

WHEREAS, the County of Marin reviewed its Plan and on June 23, 1983 the California Waste Management Board accepted the County Plan Review Report and identified a need to prepare a Plan Revision; and

WHEREAS, the County of Marin has prepared a revised Solid Waste Management Plan as required by the California Waste Management Board; and

WHEREAS, a Resolution of Approval was passed by the Marin County Board of Supervisors; and

WHEREAS, the County of Marin submitted Resolutions of Approval from all of the incorporated cities; and

WHEREAS, the Plan Revision was circulated to other state agencies with involvement in solid waste management; and

WHEREAS, the Board finds that the Negative Declaration for the Plan Revision has been prepared and circulated in compliance with the California Environmental Quality Act; and

WHEREAS, the Board and the Board's staff has reviewed the Plan Revision and found that it substantially complies with the State Policy and Planning Guidelines for the preparation and revision of Solid Waste Management Plans.

NOW, THEREFORE, BE IT RESOLVED that the California Waste Management Board hereby approves the submitted revised Marin County Solid Waste Management Plan.

#### CERTIFICATION

The undersigned Chief Executive Officer of the California Waste Management Board does hereby certify that the foregoing is a full, true and correct copy of a Resolution duly and regularly adopted at a meeting of the California Waste Management Board held on November 7, 1986.

Dated:

George T. Eowan  
Chief Executive Officer

# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item #3

November 7, 1986

### ITEM:

Status of Delinquent County Solid Waste Management Plan (CoSWMP) Revisions.

### KEY ISSUES:

- o 52 CoSWMPs complete and current.
- o 5 CoSWMPs are technically "delinquent" as compared to 31 in June 1985.
- o Marin CoSWMP will be considered at the November Board Meeting.
- o Three CoSWMPs (Calaveras, San Luis Obispo, Tulare) currently under review by staff will be considered by the Board at the December Meeting.
- o Mariposa CoSWMP will be reconsidered in April 1987.

### BACKGROUND:

Staff has prepared an update to the previous CoSWMP Revision status reports. This status report is divided into three sections, according to the degree of Plan completion:

Section I is a listing of fifty-two (52) counties with complete and current Plans. The date of the next Plan Review Report is also included.

Section II is a listing of four (4) delinquent counties which have submitted Plan Revisions for staff review and Board approval.

In addition, staff has provided an update on Mariposa County, the fifth delinquent Revision. This Revision will be considered by the Board, in April of 1987.

I. The following counties are current. The date of the next Plan Review Report is listed below.

1. Alameda**	Revision in Progress
2. Contra Costa****	Aug. 1985
3. San Diego**	Revision in Progress
4. Kings*	Revision in Progress
5. Sierra o	Aug. 1986
6. San Francisco*	Sept. 1986
7. Colusa*	Oct. 1986
8. Kern	Nov. 1986
9. Glenn	Jan. 1987
10. Sacramento	Jan. 1987
11. Mendocino	Feb. 1987
12. Modoc	Feb. 1987
13. Solano	Feb. 1987
14. Humboldt	June 1987
15. Napa	June 1987
16. Riverside	July 1987
17. Plumas	Oct. 1987
18. Sutter-Yuba	Nov. 1987
19. Siskiyou	Dec. 1987
20. Del Norte	Dec. 1987
21. San Mateo	Dec. 1987
22. Orange	Feb. 1988
23. Madera	Feb. 1988
24. Alpine	Mar. 1988
25. Imperial	Apr. 1988
26. Amador	May 1988
27. Santa Cruz	June 1988
28. Nevada***	June 1988
29. Shasta***	June 1988
30. El Dorado***	June 1988
31. Ventura***	July 1988
32. Lake***	Aug. 1988
33. Santa Clara***	Aug. 1988
34. Inyo***	Aug. 1988
35. Mono***	Aug. 1988
36. San Benito***	Aug. 1988
37. Fresno***	Sept. 1988
38. Tuolumne***	Oct. 1988
39. Yolo***	Nov. 1988
40. Trinity***	Nov. 1988
41. Tehama***	Dec. 1988
42. Butte***	Dec. 1988
43. Placer***	Jan. 1989
44. Monterey***	Feb. 1989
45. Los Angeles***	Mar. 1989
46. Sonoma***	Apr. 1989
47. San Bernardino***	May 1989
48. Stanislaus***	June 1989
49. Lassen***	July 1989
50. Merced***	July 1989
51. Santa Barbara***	Sept 1989
52. San Joaquin***	Oct. 1989

\* Board staff is reviewing the Plan Review Report.

\*\* Currently preparing the second Revision.

\*\*\* Plan Revisions approved since June, 1985.

\*\*\*\* Presented to Board at this meeting.

o Plan Review Report overdue.

## II. Submitted Revisions Under Review

<u>County</u>	<u>Original Date Revision Due</u>	<u>Date Revision Submitted</u>	<u>Meeting at which Board will consider</u>
Marin	March 1984	August 24, 1986	November 1986
Calaveras	March 1981	September 23, 1986	December 1986
San Luis Obispo	Feb. 1983	September 30, 1986	December 1986
Tulare	June 1985	October 3, 1986	December 1986

### Mariposa CoSWMP Update

The Mariposa CoSWMP Revision has not been approved by the Board due to lack of disposal capacity for the short term planning period. The Board has discussed the Revision at five different meetings and decided at the September 1986 meeting to allow the County enough time to have their consultant perform the appropriate landfill studies so that short term capacity can be identified in the Plan. This CoSWMP is due to the Board in April 1987, which is 90 days after the completion of Phases I-II of the siting workplan. The Contractor (Emcon), which has been retained by the County, is now doing field surveys on the existing Mariposa County Landfill to determine the potential for expansion of that site. These surveys will determine the environmental suitability of the adjoining area as an expansion of the existing area.



# **CALIFORNIA WASTE MANAGEMENT BOARD**

## **Agenda Item #4**

**November 7, 1986**

### **Item:**

Consideration of Issuance of Invitation for Bids for Media Production Services

### **Key Issues:**

- On August 28, 1986 the Board authorized up to \$50,000 in contract funds for media production services, to include television and radio PSAs, slide shows and a made-for-TV documentary on waste management issues and options in California.
- On October 10, 1986 the Board considered a proposed Invitation for Bids for these services, deferred action to the November meeting and directed staff to reconsider the proposed Minimum Qualifications.
- This Invitation for Bids (IFB) proposes to use an evaluation process to determine qualified bidders, followed by a contractor selection based on low bid from the qualified bidders (including a Small Business Preference).

### **Background:**

From 1979 to 1985 the Board had a substantial public awareness program budget, authorized by the Litter Control, Recycling and Resource Recovery Act. During that period, the Board produced and disseminated a variety of audio-visual materials to support its program objectives. Television and radio public service announcements (PSAs) were developed and used to promote citizen awareness of the solid waste and litter problems, and recycling opportunities. A number of sound-synchronized slide shows were produced for use by the Board's speakers bureau. Most of these products are now quite dated and should be revised or replaced.

This proposed Invitation for Bids (IFB) is to acquire the services of a production firm with the capability to produce radio and television spots, sound-synchronized slide shows and a television-length documentary on California's waste management system, its problems and options. The \$50,000 contract amount would cover production and duplication expenses only.

Responsibility for creative development and production supervision would be shared by the Board's Office of Legislation and Public Affairs and press/media consultants.

Attached to this item is a proposed Invitation for Bids, including a description of work to be performed, and evaluation criteria and a rating sheet for determining bidders' qualifications.

### **Recommendation:**

It is recommended that the Board accept and/or modify the proposed Invitation for Bids (IFB) for media production services, including the description of work and evaluation criteria, and authorize the issuance of the IFB.

### **Attachments**

1. Proposed IFB for Media Production Services

**INVITATION FOR BIDS**  
**MEDIA PRODUCTION SERVICES**

**I. Introduction**

The California Waste Management Board (Board) is the lead agency responsible for nonhazardous waste disposal in the state. Public awareness programs conducted by the Board must provide all segments of the public with accurate and consistent information about solid waste programs and facilities. The objectives of the Board's education and public information programs are: to inform the public about the environmental benefits of active enforcement of existing regulations; to improve public involvement in the decisionmaking process associated with the siting of solid waste facilities; and to restore public confidence in the use of landfills and waste-to-energy plants for the disposal of nonhazardous solid waste. The Board's information programs focus on a number of solid waste issues including planning, permitting, landfill management and enforcement, waste-to-energy, recycling, litter reduction and household hazardous wastes.

**II. Purpose and General Requirements**

The purpose of this Invitation for Bids (IFB) is, through a competitive selection process, to solicit bids for a non-exclusive contract to provide media production services for the production and duplication of radio and television public service announcements, sound-synchronized slide shows and video documentaries for the California Waste Management Board's public awareness programs. The selected contractor shall be responsible for production services only. Creative development and production supervision shall be provided by the Board.

Bid preparation costs shall not be reimbursed under this contract. Bids received within the prescribed deadline shall become the property of the Board and all rights to the content therein shall become the property of the Board.

Confidential Information: Prior to award of the contract, all bids will be designated "confidential" to the extent permitted by the California Public Records Act (Government Code Section 6250 et seq.). After award of the contract, copies of all responses and evaluations will be regarded as public records and will be available for review by the public at the Board's offices. Any bid which contains language purporting to render all or part of the bid confidential shall be regarded as non-responsive to the IFB, and the bid will be rejected.

### III. Small Business Preference

NOTICE TO ALL BIDDERS: Section 14835 et seq., of the California Government Code requires that a five percent preference be given to bidders who qualify as a small business. The rules and regulations of this law, including the definition of a small business for the delivery of services, are contained in Title 2, California Administrative Code, Section 1896 et seq. A copy of the regulations is available upon request from the State Office of Small and Minority Business. To claim the small business preference, which may not exceed \$50,000 for any bid, your firm must have its principal place of business located in California and be verified by the State Office of Small and Minority Business. Questions regarding the preference approval should be directed to that office at (916) 322-7122.

### IV. Description of Work

#### A. Tasks

The selected contractor shall produce and duplicate a variety of audio-visual materials for the Board, as described below.

##### 1. Television PSAs

Production (includes talent, studio time, location shooting, crew, editing and film) and duplication of two (2) 30-second public service announcements for statewide airing. Probable subjects include recycling and litter reduction. Spots shall be shot on 35 mm film and transferred to, and edited on, 1 inch video tape. Duplication shall consist of a combination of 2-inch reel, and 1-inch and 3/4-inch cassettes.

##### 2. Radio PSAs

Production (includes talent, studio time and materials) and duplication of two (2) 15-second and two (2) 30-second radio public service announcements for statewide airing in the area of resource conservation.

##### 3. Slide Shows

Production (includes talent, studio time, location shooting, sound, editing and film) and duplication of three (3) 10-12 minute sound-synchronized slide shows on the following subjects: (1) advanced waste disposal technologies, with an emphasis on resource recovery and conservation project development; (2) landfill design, operation and regulation; and (3) facility planning and siting.

#### 4. Video Documentary

Includes all above-the-line costs for the production of a broadcast-quality, 30-minute made-for-television documentary about California's waste management strategy, and State and local efforts to plan, site, permit and regulate safe waste disposal facilities. Below-the-line costs shall be provided or procured from other sources by the successful bidder, and shall not be reimbursed under this contract.

#### B. Budget

The contract for this project shall be awarded on a low-bid basis. In no case shall the contract award exceed \$50,000. Funds shall be allocated from the Board's 1986-87 budget, pending selection of a contractor and subject to the availability of funds.

#### C. Term

The term of the agreement for these services shall be one (1) year, commencing on the date of approval by the Department of General Services.

### V. Minimum Bid Requirements

#### A. Procedure for Preparing Bid

##### 1. Deadline

All bids must be received (NOT POSTMARKED) by no later than 4:45 P.M. on January 9, 1987 and addressed to:

California Waste Management Board  
ATTN: Chris Peck, Communications Advisor  
1020 Ninth Street, Suite 300  
Sacramento, CA 95814

Bids received after the above time and date will not be considered and will be returned unopened to the bidder.

## 2. Written Requirements

Each bid shall contain, in writing, as a minimum:

### a. Format and Content

Bid price and cost information must be prepared by submitting the information requested on Exhibit A, **Bid Price and Cost Proposal**. The Bid Price and Cost Proposal must be placed in a SEPARATE, SEALED ENVELOPE, clearly marked "**Bid Price and Cost Proposal**."

Bids should not contain quotations for travel and per diem costs. These costs will be reimbursed when necessary according to the rates established in Title 2, California Administrative Code, Sections 599.619 and 599.631 (quoted in Exhibit D to the sample standard contract form attached to this IFB as Exhibit B).

### b. Identification of Prospective Contractor

The bid shall include the name of the firm submitting the bid, its mailing address, telephone number, and an individual to contact if further information is desired.

### c. Nondiscrimination

The prospective contractor must be an Equal Opportunity Employer and must be willing to comply with State Fair Employment Practices. The signature of and date affixed by the prospective contractor on the Cover Letter required by Section V.A.3., below, shall constitute a certification under penalty of perjury under the laws of the State of California that the bidder has, unless exempted, complied with the nondiscrimination program requirements of Government Code Section 12990, and Title 2, California Administrative Code, Section 8103.

### d. Signature

A cover letter, which shall be considered an integral part of the bid, shall be signed by an individual(s) who is(are) authorized to bind the bidder contractually. This cover letter must indicate the title or position which the signer holds in the bidder's firm. The letter shall contain a statement to the effect that the bid is a

firm and irrevocable offer for a 90-day period. The bid shall also provide the following: name, title, address, and telephone number of individuals with authority to negotiate on behalf of and contractually bind the company. This letter, as required by the paragraph V.A.2., above, constitutes certification by the bidder, under penalty of perjury, that the bidder complies with the California State Nondiscrimination Program requirements. An unsigned bid, or one signed by an individual not authorized to bind the bidder shall be rejected.

e. Copies

Thirteen copies of the bid package and one copy of all audio and video exhibits must be submitted in a sealed envelope marked with the bidder's name and address and the following statement:

"IFB -- DO NOT OPEN UNTIL 4:45 P.M.,  
January 9, 1987"

One unbound, reproducible copy shall be clearly marked "MASTER".

f. Small Business Preference

If the bidder is claiming the Small Business Preference, he or she must clearly state in the Cover Letter required in subparagraph V.B.2., above, that he or she is claiming the preference. The bidder must also furnish the Small Business Certification Number.

B. Other Minimum Requirements

1. Experience

A minimum of five (5) years experience producing materials of the specific type and variety described in the Scope of Work shall be required of both the bidding firm and the project director. If a subcontractor will be responsible for the production of any part of the Board's project, then the subcontractor shall also possess the minimum qualifying experience.

The bidder shall also demonstrate in writing that it has, within the past year, produced the following minimum of similar products.

- o 25 radio and television commercials or PSAs, with a minimum of 10 radio and television spots each
- o 5 sound-synchronized slide shows
- o 1 video documentary, with a minimum length of 30 minutes

EXAMPLE: The bidder proposes to produce the radio and television PSAs and the documentary, and to subcontract for the production of the slide shows. The bidder must have the requisite experience in radio/television commercial and documentary production, and must have produced the specified minimum of similar products within the past year; the subcontractor must have the requisite experience in slide show production, and must have produced the specified minimum number of slide shows within the past year.

## 2. Facilities and Equipment

Each bidder shall be required to demonstrate in writing their ownership or access to the facilities and equipment listed in Sections 2.1 through 2.4 which may be required to produce the specific items included in the Board's project. ANY BID WHICH DOES NOT DEMONSTRATE SUCH OWNERSHIP OR ACCESS SHALL BE DISQUALIFIED.

### 2.1 Television PSAs

- o Complete grip and lighting package
- o 2-ton and 5-ton grip trucks
- o Complete 35 mm sound-synchronized camera
- o Complete sound package
- o Production studio
- o Complete production staff, including a producer and director

### 2.2 Radio PSAs

- o Broadcast quality studio and equipment including:
  - Broadcast quality microphone
  - 2 professional model reel-to-reel tape recorders
  - Broadcast quality mixing console



### 2.3 Slide shows

- o 35 mm camera with a complement of lenses
- o Broadcast quality studio and equipment (see equipment requirements for radio PSAs)
- o High quality location recording equipment
- o Sound and music library

### 2.4 Documentary

- o Access to the facilities and equipment listed in Section 2.1.

### 3. Portfolio

Each bidder shall submit samples of similar work produced under similar budget conditions. Samples must be submitted for each type of product requested by the Board (i.e., television PSA, radio PSA, slide show and documentary). Each sample shall be accompanied by a cost-accounting which indicates the actual cost to produce each sample. The portfolio and accompanying cost-accounting information shall be used to correlate product cost and quality during the evaluation phase in order to demonstrate the bidder's ability to produce such products at a cost within the Board's budget.

### 4. Client References

Each bid shall include a minimum of three client references for each product requested, which testify to the bidder's technical capabilities, production efficiency and budget control.

## VI. Evaluation and Selection

### A. Failure to Fulfill Minimum Bid Requirements

All bids will be reviewed to determine which bids meet the Minimum Bid Requirements contained in Section V. Failure to meet or demonstrate meeting the Minimum Bid Requirements will be grounds for rejection without further consideration. The State may reject any bid if it is conditional, incomplete or contains irregularities. The State may waive an immaterial deviation in a bid. The State's waiver of an immaterial defect shall in no way modify the IFB documents, or excuse the bidder from full compliance with the contract requirements if the bidder is awarded the contract. Failure to clearly state in the Cover Letter that the bidder is claiming the Small Business Preference will result in the Bidder not being given the preference.

## B. Contractor Selection

### 1. Evaluation Committee

Each bid which meets the Minimum Bid Requirements enumerated in Section V, above, will be evaluated and scored by a Evaluation Committee. This committee may be composed of either staff, or Board members, or staff and Board members or the Board, sitting as a Committee of the Whole. The Evaluation Committee will score each bid using the Qualifications Appraisal Rating Sheet attached as Exhibit B. This rating sheet was specifically designed to judge the suitability of prospective contractors responding to this IFB.

The scores of the Evaluation Committee will be combined and averaged. Each bid receiving a minimum averaged score of 75 points from the Evaluation Committee will be recommended to the Board as qualified bidders.

If the Board sits as a Committee of the Whole, this part of the Selection Process will be combined with "Board Action," paragraph VI., B., 3, below.

### 2. Interview for Clarification

Bidders who meet the Minimum Bid Requirements set forth in Section V., above, may be asked to present themselves for an interview with staff or Board Members to clarify their bids. This interview may occur at any time during the bid evaluation process. The purpose of this interview will be for clarification only; no bidder will be allowed to alter his or her bid or add new information. Any attempt on the part of the bidder to do so will result in the disqualification of that bidder.

### 3. Board Action

The Board, at its next available regular meeting, will then vote to accept or reject the Evaluations and Scores of the Evaluation Committee and select the qualified bidders. In either case, the Board, by a majority of those present will adopt one series of Evaluations and Scores for the bids in order to select the qualified bidders.

- a. The Board may adopt, as its own, the Evaluations and Scores of the Evaluation Committee.

- b. If the Board does not accept the recommendation of the Evaluation Committee it may adopt its own Evaluations and Scores to select the qualified bidders. Such Evaluations and Scores may include the adoption for some bids of the same total scores as those given by the Evaluation Committee. Such Evaluations and Scores may also include the adoption for some bids of scores which differ from those recommended by the Evaluation Committee.

#### 4. Award of Contract

SEPARATE sealed envelopes, containing the Bid Price and Cost Proposal will be opened for those qualified bidders selected in accordance with the procedures described in Section VI.B., above.

The contract will then be awarded to the lowest qualified bidder. Consideration will be made for the Small Business Preference as stated in Section III, above.

#### 5. Notice of Award

Notice of the proposed contract award will be posted in the Board's Sacramento offices for five business days, beginning on the date of the Board's February 1987 meeting. The award will be deemed final and the contract will be executed on or after the sixth business date after the above date.

### C. Evaluation Criteria

All proposals meeting the Minimum Bid Requirements will be evaluated and scored in accordance with the procedures and methods described in Section VI.B., using the criteria listed below and incorporated in the Qualifications Appraisal Rating Sheet (see Exhibit C).

#### 1. Product quality

The portfolio shall be examined to determine the bidder's ability to produce broadcast-quality radio and television commercials or PSAs, documentaries and sound-synchronized slide shows.

## 2. Cost correlation

The bidder's capability to deliver all of the specific products in broadcast quality and within the project budget will be evaluated based on the cost-accounting information submitted with the portfolio.

## 3. Documentary cost identification

The provision of below-the-line production costs for the documentary will be evaluated based on the bidder's commitment to contribute those costs or proposal for procuring the necessary project underwriting from other sources.

## VII. Schedule for Award of Contract

December 16, 1986	Advertise in State Contracts Register
January 9, 1987	<b>Bids must be received by 12:00 noon,</b> Bids will be opened and evaluation will begin.
February 1987 CWMB Meeting	Determination of lowest responsible bidder. Posting of award of contract.
February 1987	Award of contract final. (Sixth business day from above date)

## VIII. Limitations

### A. Amendments

The State reserves the right to amend the IFB by addendum prior to the final date of bid submission.

### B. Information

All information obtained or produced during the course of work shall be made available to the Board for its use as it may so determine.

### C. Commitment

The IFB does not commit the State of California or any of its agencies, departments or divisions to award a contract, to pay any costs incurred in preparation of a bid responding to this IFB, or to procure or contract for services or supplies.

The Board reserves the right to accept or reject any or all bids received as a result of this IFB, to negotiate with any qualified source, or to cancel in part or in its entirety this IFB, if it is in the best interests of the State of California to do so.

If the selected bidder fails to negotiate a satisfactory contract with the Board within a reasonable time after the award, the Board may offer to negotiate with the next runner-up, without further advertising, issuance of another IFB, or evaluation of bidders. The Chief Executive Officer shall determine when negotiations have broken down with the first selected bidder, and whether to offer to negotiate with the next runner-up.

This procedure shall apply to negotiations with lower-ranked runners-up in order of original ranking, if negotiations cannot be successfully completed with any bidder.

### D. Termination

The Board has the authority and express right to terminate any contract awarded to the contractor(s) pursuant to the IFB at any time during the term of the contract for any reason or if the Board finds that the contractor's work is negligent, not satisfactory, or not in accordance with the agreed upon work program. In the event of termination the contractor shall be entitled to payment for approved costs incurred prior to the effective date of termination.

## IX. Contract Terms and Conditions

### A. State Contract Terms

Attached [as Exhibit B] is a copy of the major contract terms included in contracts executed by the State of California and this agency. The actual final terms of the contract to be awarded pursuant to this IFB, may differ from the example, so that the contract appropriately reflects the service and work to be purchased by the Board. The contract will provide for payment of actual work done and products provided. This may exceed or be less than the work projected in Exhibit A, Bid Price and Cost Proposal.

B. Contractor Evaluation

Within thirty (30) days after completion of work under this agreement the contractor's performance shall be evaluated by the Board and a report filed with the Department of General Services.

C. Payment

Contractor payments will be made in arrears, not more frequently than monthly.

Contractor should anticipate waiting up to ninety (90) days for payment after submittal of each invoice. However, the Board attempts to expedite payments within forty-five (45) days.

**Bid Price and Cost Proposal**

This Bid Price and Cost Proposal summary must be included in a separate, sealed envelope in accordance with Section V.A.2 of the Invitation for Bids. Additional cost data may be attached if necessary to detail the cost proposal.

**I. Television PSAs****A. Production**

2 30-second spots @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

**B. Duplication**

\_\_\_ 2-inch @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

\_\_\_ 1-inch @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

\_\_\_ 3/4-inch @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

**II. Radio PSAs****A. Production**

2 30-second spots @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

2 15-second spots @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

**B. Duplication**

\_\_\_ 5-inch reels @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

**III. Slide Shows****A. Production**

3 10-12 minute, single projector sound-synchronized  
slide shows @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

**B. Duplication**

6 ea. of 3 shows @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

IV. Documentary

A. Production

30-minute video                      Total Cost = \$ \_\_\_\_\_  
Less below-the line costs                      (\$ \_\_\_\_\_)

B. Duplication

2 1-inch  
master dubs                      @ \$ \_\_\_\_\_ ea. = \$ \_\_\_\_\_

TOTAL PROJECT COST = \$ \_\_\_\_\_



## Qualifications Appraisal Rating Sheet

Max. Pts.

I. Product Quality

A. Television commercials/PSAs	12	-----
B. Radio commercials/PSAs	12	-----
C. Slide Shows	12	-----
D. Video Documentary	12	-----

II. Cost Correlation

A. Television commercials/PSAs	8	-----
B. Radio commercials/PSAs	8	-----
C. Slide Shows	8	-----
D. Video Documentary	8	-----

III. Documentary Underwriting

A. Identification of below-the-line costs and sources.	20	-----
		-----

TOTAL POINTS 100 -----

# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item #7

November 7, 1986

### ITEM:

Update on the Board's Litter Program

### KEY ISSUES:

- Program efforts currently focus on activities dealing with CLEAN (California Litter Education and Action Network), enforcement issues, legislation, funding, public awareness and education
- Staff outlined the litter program for the Board at the April, 1986 meeting
- Since the last update to the Board, program staff has increased by one
- CLEAN Membership now numbers 30

### BACKGROUND:

At the March 20-21, 1986 meeting the Board accepted the final report of the 1985 California Litter Survey and directed staff to develop recommendations based on the study's major findings. Staff researched numerous California community programs as well as those of other states and at the April 10-11, 1986 meeting presented recommendations to the Board. At that meeting, the Board directed staff to pursue fourteen separate activities for the current Fiscal Year. These efforts centered primarily around the CLEAN program, enforcement issues, legislation, funding, public information and education.

### STAFF ANALYSIS:

The following is a description of the fourteen activities, or program areas, which the staff has pursued under Board direction since the April 10-11, 1986 Board meeting. A brief status report is included with the presentation of each program area.

#### 1. Encouragement of new communities to participate in CLEAN

Staff has contacted each of the 140 local programs identified in the CLEAN Local Program Directory to urge membership in the CLEAN Program. Current membership stands at 30. It has recently come to the attention of staff that some confusion has developed among

local program personnel concerning membership fees. Due to the fact that a certification fee and annual program service fee is charged by Keep America Beautiful, some applicants mistakenly assumed that fees were required for membership in CLEAN. Staff is taking steps to correct this impression and feels confident that this action will yield an increased membership.

Staff will present for Board consideration in the next agenda item a proposal for funding to purchase and distribute large plastic litter clean-up bags. These bags will be offered exclusively to CLEAN members for use in local clean-up efforts and in that way serve as a membership incentive.

**2. Presentation of the First Annual CLEAN Communities Achievement Awards Conference featuring findings of the litter survey and recognition of outstanding CLEAN community programs**

The conference is being co-sponsored with RecyCAL and will be held on November 17, 1986, aboard the Queen Mary in Long Beach Harbor. Preparation is progressing on schedule. Nearly five thousand announcement brochures were distributed on October 16-17. Speakers from local California communities and from other states will be discussing topics dealing with the use and implications of litter surveys, training law enforcement officers, successful local efforts to curb litter and illegal dumping, mandatory and voluntary truck tarping programs, and development and marketing of educational materials.

**3. Completion and distribution of the Litter Law Enforcement Manual**

The manual has been coded for typesetting. Staff is editing the proofs and expects to have the manual available for distribution at the conference. The Board has already received approximately fifty written requests for copies when published. The manual includes specific directions for constructing program elements, including a local ordinance review and revision, litter enforcement officer program, litter search, litter hotline, environmental court, abandoned auto removal, graffiti watch program, truck tarping, and alternative sentencing.

**4. Continuation of efforts to seek new industry sponsors for the Litter Barrel Program and support from other government agencies**

The contractor, Nostrum, Inc., has continued their efforts to secure industry sponsors. Recently, staff has additionally contacted the State Department of Parks and Recreation and the State Lottery to solicit their cooperation in expanding this program.

**5. Legislative support and sponsor for legislation to establish a Litter Control and Recycling Fund**

This effort is undergoing some modification in approach and investigation of existing resources and structures. Staff will evaluate the cost and effectiveness of current state programs to determine approaches holding increased efficiency and economy to enhance the success of a legislative proposal.

**6. Budget funding for the CLEAN Program by way of a Budget Change Proposal (BCP)**

A BCP was developed to enhance the Litter Program's CLEAN efforts. This BCP was not approved; however, CLEAN staffing has increased with the addition of a second coordinator.

**7. Promotion of local truck tarping programs**

Staff has distributed a letter to CLEAN program leaders, LEAs, county supervisors, and landfill/transfer station operators encouraging them to implement a locally mandated truck tarping program at landfills and transfer stations. Several inquiries regarding such a program have been received by staff, and at the November conference Norm Wietting, operations manager of the Metropolitan Service District located in Portland, Oregon, will speak on the success of Oregon's mandatory truck tarping program at both landfills and transfer stations.

**8. Initiation of a statewide promotional truck tarping campaign with the cooperation of other state agencies**

Staff has maintained communication with Caltrans and RecyCAL to pursue this public awareness effort on a statewide basis. The climate is favorable, and staff will move forward with this program upon the completion of the Awards Conference.

**9. Production and distribution of public information items illustrating proper household and commercial waste handling techniques**

This project continues to be considered an extremely worthwhile undertaking but has not yet been developed due to other activities taking a higher priority.

**10. Promotion of strict enforcement of litter laws and ordinances together with simplification of enforcement procedures (e.g., implementation of the New York "nail and mail" program)**

The Litter Law Enforcement Manual contains a compilation of all current California laws pertaining to littering and provides an outline of the New York litter law enforcement program.

**11. Encouragement of local litter hotlines**

Staff has included information outlining the establishment of litter hotlines in the Litter Law Enforcement Manual.

**12. Direction of public awareness efforts and education materials to a target audience of males under age 30**

The Board's Public Information Office is presently involved in the development of litter prevention PSAs directed to this audience. As an additional step in this effort, Litter Program staff is laying the groundwork for the development of a litter prevention education unit. Staff is in the process of contacting other states, California state agencies and local communities in an effort to assess existing conservation and litter abatement education programs and public awareness efforts targeting the under-30 male audience. Staff will evaluate the success of these efforts and their applicability to the education curriculum for secondary schools in California. Staff is also currently responding to requests from educators for litter control and recycling materials.

**13. Modification of current litter receptacle laws and ordinances to include requirements for specific placement**

Because of other priorities, this item is yet to be pursued.

**14. Development of a litter bag distribution program**

The 1985 California Litter Survey indicated that California ranked last of those states surveyed in percentage of vehicles equipped with litter bags. Staff is actively pursuing enlisting the support of industry in the production and distribution of vehicle litter bags imprinted with the California anti-litter logo. Staff is expanding the list of possible industry sponsors to include the California Automobile Association.

As previously noted in connection with encouragement of CLEAN program participation, the following agenda item contains a proposal for Board consideration to fund the purchase of plastic litter clean-up bags and the distribution of these to communities for use in local clean-up efforts.

**RECOMMENDATION:**

This is an information item only, and no formal Board action is required.

# CALIFORNIA WASTE MANAGEMENT BOARD

## AGENDA ITEM #8

NOVEMBER 7, 1986

### ITEM:

Status of the Household Hazardous Waste Study.

### KEY ISSUES:

- o Pilot study progress
- o SRI request for contract change

### BACKGROUND:

The Board awarded a \$150,000 contract to SRI International for a report "estimating the types and amounts (weight and volume) of hazardous waste materials and recyclable materials in the household solid waste stream."

To date, SRI has made the following progress on Task I - Pilot Sampling Study:

1. Subtask A - Develop methodology - started
2. Subtask B - Pilot Study - conducted October 17, 1986
3. Subtask C - Literature search - started
4. Subtask D - Refine list of hazardous materials - started

The pilot study was conducted on October 17, 1986 at the BFI Transfer Station in San Carlos. Approximately four cubic yards of waste were sorted by hand for household hazardous waste and recyclable waste fractions. Approximately thirty items identified as household hazardous waste were taken to SRI for further analysis. SRI will be reviewing the results of the pilot study project to make final plans for the winter sampling. In addition, SRI is continuing to work on the literature search and list of hazardous materials. The schedule for reporting, the scope of work, and a sample data table (as identified in the schedule for reporting) is attached to this report for your information.

A meeting between SRI and CWMB staff was held October 3, 1986 to discuss the contract. During the discussion Dr. Bomberger asked for clarification as to why the Board is interested in the volume of recyclable waste as most studies of recyclable waste are conducted on a weight basis. Dr. Bomberger indicated that calculating individual volume for odd shaped (metal, rubber) or broken items (glass) is time consuming and expensive to. In addition, he wanted to know whether the Board is going to require SRI to dry all wet recyclable fractions of the waste.

Volume figures for this project can be derived by the Board requiring SRI to make the actual physical volume measurements or by the Board allowing SRI to utilize weight to volume conversion factors that have been developed by the recycling industry. The conversion factors have been developed by recyclers from measurements taken on a variety of waste loads over time. While actual physical measurements for the volume of recyclable wastes would provide more accurate results, staff believes that the difficulty of measurement, the time and the extra money involved in actually measuring the waste by SRI is not justified by the slight increase in accuracy.

For moisture content of the recyclable wastes, the Board should decide if it is interested in the true (oven dry) weight of the recyclable portion of the waste or if the proportional weight (wet) of the recyclable fraction is adequate.

## **Recommendation:**

The staff recommends that the scope of work with SRI be amended via a contract change order to calculate the volume of the recyclable wastes utilizing conversion factors developed by the recycling industry. In addition, staff recommends that the proportional weight (wet) be accepted to characterize the recyclable fraction of the waste stream.



## CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300  
SACRAMENTO, CA 95814

Date: August 21, 1986

Written Change Order #1

Contract #CWM-0529

Pursuant to the authority delegated under California Waste Management Board Resolution #84-6, the Executive Officer has determined that the contract adjustment requested verbally by SRI International, Inc. on August 14, 1986, shall be made by written change order.

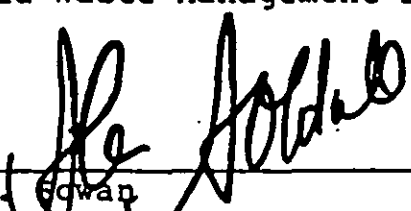
The contract is hereby changed as specified below:

The schedule for specified individual monthly reports is revised so that each report is due one month later than originally specified on pages 13 and 14 of the contract. This change is shown in boldface type on the attached revised pages 13 and 14 of the contract.

All other terms and provisions of the subject contract shall remain in full force and effect.

The undersigned parties agree to the above change.

STATE OF CALIFORNIA  
California Waste Management Board

  
George T. Gowan  
Chief Executive Officer

Dated: 9/15/86

CONTRACTOR  
SRI International, Inc.  
333 Ravenswood Avenue,  
Menlo Park, CA 94025

  
J. S. Gruender, Jr.  
Director, Contract Services

Dated: Sept 9, 1986



## CONTENTS OF INDIVIDUAL MONTHLY REPORTS

Monthly Progress  
Report Due:

Shall Specifically Contain:

September 8, 1986	An explanation of the methodology developed as the first task of the pilot sampling study.
October 7, 1986	Sample data summaries similar to Tables 1, 13, 25, and 37.
November 7, 1986	Sample data summaries similar to Tables 1, 13, 25, and 37. An annotated bibliography based on the literature search of recyclable materials studies and a summary of the data discovered in the search. A refined list of hazardous materials.
December 5, 1986	A detailed plan for extended study.
January 8, 1987	An outline for the first semi-annual report, including examples of the data summary tables (data shells) the contractor intends to include in the report.
February 6, 1987	
March 9, 1987	Sample data summaries similar to Tables 2, 14, 26, and 38 (if sample data was collected in February).
April 7, 1987	Sample data summaries similar to Tables 2, 14, 26 and 38.
May 7, 1987	Sample data summaries similar to Tables 2, 14, 26, and 38.
June 5, 1987	Sample data summaries similar to Tables 2, 14, 26 and 38 and an outline for the second semi-annual report, including examples of the data summary tables (data shells) the contractor intends to include in the report.
July 8, 1987	Sample data summaries similar to Tables 1, 13, 25, and 37.
August 7, 1987	Sample data summaries similar to Tables 1, 13, 25, and 37.

September 8, 1987

Sample data summaries similar to Tables 1, 13, 25, and 37.

October 7, 1987

Sample data summaries similar to Tables 1, 13, 25, and 37.

November 6, 1987

Sample data summaries similar to Tables 1, 13, 25, and 37.

December 7, 1987

An outline for the final report, including examples of the data summary tables (data shells) the contractor intends to include in the report, such as those shown as Tables 1-118.

January 8, 1988

C. Semi-annual Summaries - A written report summarizing activities of the preceding six months shall be submitted to the Board and presented orally at the Board's December, 1986, meeting. A final written semi-annual report summarizing the activities of the preceding twelve months shall be submitted and presented orally to the Board at the Board's June, 1987, meeting. The semi-annual reports shall present the results of the sampling efforts to date in summary form and discuss the implications of the findings.

E. Final Report - Within thirty (30) days after the Agreement termination date, the Contractor shall submit a Final Report, using the prescribed format.

Failure to comply with the reporting requirements specified above may result in termination of this Agreement or suspension of any or all outstanding Payment Requests until such time as the Contractor has satisfactorily completed the reporting provisions.

The contractor shall provide twenty-five (25) copies of a draft version report to the Board for review and appropriate action by the Board at a formal, publicly announced meeting. Review comments shall be prepared and transmitted by the State to the Contractor within seven (7) days of review at the Board meeting. Upon completion of any changes and acceptance of the draft by the Board, the contractor shall deliver two hundred (200) copies of the final report to the Board within thirty (30) days of the date of formal acceptance of the report by the Board.

## EXHIBIT A: Scope of Work

As a result of this contract award, a study shall be completed which identifies the types and quantities of household wastes which are recyclable or hazardous. This study shall be conducted in accordance with the following provisions.

### 1. Methodology

The contractor shall perform manual segregation of statistically drawn samples of household wastes to identify their composition. Both recyclable and hazardous components shall be identified, by category, through this sampling procedure. Weights and volumes of waste components, including that of hazardous waste residuals in containers and hazardous waste mixed in with other wastes, shall be determined in a way which allows analysis of each component as a percentage weight and volume of all wastes in the household waste stream in California. The initial categories are to include the following components, at a minimum. The Contractor, in the course of the pilot study, should add or, with Board approval, delete categories and subcategories as appropriate to make the study more useful to the Board.

#### Recyclables

- Mixed Paper
- Newsprint
- Corrugated Paper
- Plastics
- Glass
- Leather/rubber
- Ferrous Metals
- Nonferrous Metals
- Yard Wastes
- Food Wastes
- Wood
- Other Combustibles
- Other Noncombustibles
- Salvageable Items

#### Hazardous

- Solvents
- Thinners
- Paints
- Insecticides
- Herbicides
- Household Cleaners
- House Polishes
- Automotive Products
- Pharmaceuticals
- Aerosol Products
- Pool Chemicals
- Waste Oil
- Adhesives
- Inks and Dyes
- Acids
- Alkali
- Lighter fluid
- Fuel
- Alcohols
- Batteries
- Explosives

## 2. Sampling Criteria

The contractor shall use the following criteria in selecting wastes to be sampled in the study:

a. Number of Locations - At a minimum, the contractor shall conduct the study at four locations in California. In Northern California, all samples shall be taken from the waste stream coming from Belmont and East Palo Alto and passing through the Browning Ferris Industries, Inc. (BFI) San Carlos transfer station. In Southern California, all samples shall be taken from the waste stream coming from Gardena and West Hollywood or Belvedere and passing through the BFI Compton transfer station.

b. Route Sampling - Sampling loads are to be collected from a specified set of households on specified routes. For each of the four communities, the contractor shall select collection routes which include single-family and multi-family residences and exclude commercial and industrial waste sources. The Contractor shall select as many routes as necessary to ensure that the residential waste collection routes give a representative sample of broad strata of California's population and accommodate the geographic and socioeconomic variations within the State which are believed to most determine household waste composition. Since broad coverage may conflict with the statistical precision of results that can be obtained with the level of effort proposed, Board approval of the number and makeup of the routes will be obtained before developing a detailed plan for the Extended Sampling Study.

1) Individual residents for the routes where such studies are conducted must not be informed that they are participating in a study.

2) Routes that service only residential structures must be selected. Efforts should be made to include single family dwellings and multi-family units that include owner occupied, rental, and lease occupancy.

3) Routes must be selected with the cooperation and approval of the jurisdiction and the collection agency wherein the sampling is being done.

4) Public or private collection vehicles making collections on identified routes must be directed to a designated site where the contents of the vehicles shall be segregated from the contents of other vehicles. This location may be a transfer station, landfill, or other suitable location for the conduct of the study.

c. Frequency of Sampling - The contractor shall conduct the waste characterization sampling at each site at least two (2) different times during the year to allow for seasonal variation in waste flow composition.

d. Duration of Sampling - Each of the sampling periods shall be of sufficient duration to account for daily variations in the household waste stream.

e. Self-haul Sampling - The contractor shall select residential self-haul loads which are representative of self-haul loads of residential solid waste.

f. Number of Samples - The Contractor shall use the Pilot Study to obtain estimates of the level of statistical precision that can be obtained for measures of percentage weight and volume of hazardous and recyclable materials in the household solid waste stream. Since achieving a target level of precision will impact the number of hazardous and recyclable waste categories and subcategories that can be studied, the Contractor shall propose a level of precision to be achieved (e.g.,  $\pm 0.01\%$  at the 90% confidence level) and obtain the Board's approval before completing a detailed sampling plan for the Extended Sampling Study.

g. Random Sampling - Samples shall be selected using a random number generator or similar mechanism to avoid sampling bias.

### 3. Data Summary Tables

The following data shells indicate the types of data summaries to be supplied to the Board in the final report and, as appropriate, in semi-annual reports and monthly reports following the collection of sample data. The Contractor may reverse the axes (columns becoming rows) and make other formatting changes to improve the legibility and usefulness of the tables.

TABLE 1

WASTE COMPOSITION SUMMARY: PERCENTAGE OF THE WASTE STREAM, BY WEIGHT,  
WHICH IS RECYCLABLE

## SPRING/SUMMER SEASON

COMPONENT	SAMPLE 1...	SAMPLE n	AVERAGE
Mixed Paper			
.			
.			
Salvageable Items			

TABLE 2

WASTE COMPOSITION SUMMARY: PERCENTAGE OF THE WASTE STREAM, BY WEIGHT,  
WHICH IS RECYCLABLE

## WINTER SEASON

COMPONENT	SAMPLE 1...	SAMPLE n	AVERAGE
Mixed Paper			
.			
.			
Salvageable Items			

TABLE 3

WASTE COMPOSITION SUMMARY: PERCENTAGE OF THE WASTE STREAM, BY WEIGHT,  
WHICH IS RECYCLABLE

## TOTAL FOR YEAR

COMPONENT	SAMPLE 1...	SAMPLE n	AVERAGE
Mixed Paper			
.			
.			
Salvageable Items			

# CALIFORNIA WASTE MANAGEMENT BOARD

## AGENDA ITEM #9

NOVEMBER 7, 1986

### ITEM:

Report on the BKK Landfill Closure Plan

### KEY ISSUES:

- o The process for approving the Closure Plan
- o The final capacity of the site
- o The use of on-site soils as final cover
- o Permitting new facilities on the site

### BACKGROUND:

On July 21, 1986, the BKK Corporation submitted the Final Closure Plan to the various regulatory agencies with authority at the landfill in West Covina. The document is BKK's second and final revision to the draft plan for closure of the Class I disposal area at the site. The EPA is coordinating the review of the Plan and will compile a single letter of response to the corporation. The Final Closure Plan will either be rejected or modified and conditionally approved. After receiving Conditional Approval, a thirty day public notice period will be held followed by a public hearing. Additional modifications may be made to the Plan. Final Conditional Approval must be granted jointly by the EPA, the California Department of Health Services, and the Los Angeles Regional Water Quality Control Board before closure is initiated. If all goes smoothly, the EPA expects the process to be completed by January 1.

In the Final Closure Plan, BKK has proposed continued disposal of nonhazardous waste and solidification of leachate in the existing disposal area until July 1987. Closure activities would be performed concurrently. The Corporation feels that the extended disposal period will provide enough time to build a new nonhazardous disposal area away from the Class I area and to build and bring a leachate treatment plant on line.

Several major issues are as yet unresolved in the review of the Plan. The Department of Health Services has placed a severe limit on the total allowable capacity in the present disposal area. BKK is essentially at this limit. DOHS has not indicated whether this limit will be waived in favor of the proposal outlined in the Plan. In addition, BKK has been asked to document that federal final cover standards can be satisfied using on-site soils. The necessary tests are currently being done. Also, there is some concern whether or not the new disposal area and leachate treatment plant can be permitted and built by July 1987.

Ground water protection and site characterization measures have generally been excluded from the Final Closure Plan. The Site Assessment and Mitigation Workplan has been adopted to address those points and ultimately is designed to measure the full nature and extent of contamination at the site.

Other closure related activities include several health studies which are in progress and limited site work continuing under the direction of the stipulated preliminary injunction. BKK will have to prepare and submit a post-closure plan as a condition of closure.

#### **RECOMMENDATION:**

Information only



# CALIFORNIA WASTE MANAGEMENT BOARD

## Agenda Item #10

October 10, 1986

### Item:

Consideration of the Allocation of Contract Funds for a Statewide Recycling Study.

### Key Issues:

- o Previously discussed at August Board meeting
- o Need exists for more current recycling data
- o Need exists to assess program effectiveness
- o Results would be useful in County Planning Program
- o Results would provide input data for Board's Computer Model
- o In addition, study would assess the potential for recovering other materials (plastics)
- o Would provide us with information on where recycling needs to be fostered and the appropriate types of programs for those areas

### Background:

This item was originally part of the August 28, 1986 Agenda Item #8 in which the Board was to consider concepts for proposed consulting and professional services contracts for FY 1986-87. The Board, however, approved some proposals as made and directed staff to come back at this meeting with more detail on this particular concept.

In working with representatives from local government and the private sector in the areas of landfill alternatives and planning, staff has found that there is a basic lack of current and reliable information available for use in assessing the viability of recycling as an alternative to disposal. In addition, the Board has developed a disposal alternatives financial computer model which is the best of its kind thus far. The computations done by the model, however, are only as good as the input data that are supplied. A good portion of the technical input data is derived from studies that have been done on recycling. Unfortunately, the most recent studies that have been done on recycling by the Board are now over six years old and outdated.

Additionally, there is a need to know exactly where we are in recycling in California and to assess how much more can be done without disrupting the stability of secondary materials.

The proposed study would include case studies of selected programs of varying types and would focus on the overall evaluation of program cost, effectiveness as a waste diversion program and the level of community participation. It would also include an assessment of the levels of recycling statewide. This would be assessed on a county-by-county basis. This information will provide us with figures we can use to determine where more recycling needs to be fostered and the types of programs that are appropriate for certain areas. It will also provide valuable information that can be used in the county planning process.

In addition, the study would provide us with figures on container recycling which would allow us to better estimate the effects of AB 2020 and to measure its effectiveness in the future.

The Study tasks would include:

- o An estimate of the availability of recoverable materials in each county of California.
- o An accounting and assessment of current waste diversion through materials recovery in each county of California.
- o Identification of available secondary markets, their capacities and potential for expansion.
- o The identification of potentially recoverable materials (i.e. plastics) and an identification of the conditions under which these materials could be successfully collected and recycled.
- o An overview of the status of recycling statewide and recommendations on how recycling could be economically increased.
- o Three case studies of selected recycling programs of varying types (one commercial, one buy-back and one drop-off) to determine both their economic viability and their effectiveness as waste diversion programs.

Staff is proposing that the Board retain a contractor to perform the tasks identified above to provide the Board with recycling information that is basic to planning future programs. Like the California Litter Survey, it will provide us with solid baseline information which we can use to structure our Recycling Program activities. The study process would take approximately 6 months, including the standard Request for Proposals and contract selection process.

## Recommendation:

Staff recommends that the Board approve the allocation of \$45,000 from general contract funds to retain a contractor to perform a Statewide Recycling Study.

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Recommendation  
To establish

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